HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

SERVICE MANUAL

RX1 CHASSIS

MODEL NAME	REMOTE COMMANDER	DESTINATION
KDL-19M4000	RM-YD025	US
KDL-19M4000	RM-YD025W	US
KDL-19M4000	RM-YD025	CANADA
KDL-19M4000	RM-YD025W	CANADA
KDL-19M4000	RM-YD025	MEXICO
KDL-19M4000	RM-YD025W	MEXICO

ORIGINAL MANUAL ISSUE DATE: 3/2008

☛ :UPDATED ITEM

REVISION DATE	SUBJECT
3/2008	No revisions or updates are applicable at this time.
4/2008	Reissue entire manual to include PWBs for G Board (Power Supply) Added Line Art illustration for Wire Dressing Added PNs for Colored Bezels to Exploded View section.
5/2008	Corrected instructions for 2-1. Resetting to Factory Defaults After Board Replacement. Replaced page 17.
5/2008	Corrected PNs for White and Black Front Bezel Assemblies. Replaced page 43.
10/2008	Removed Self Diagnosis logo from Front Cover and Self Diagnostic Function page. Replaced pages 2 and 10.
12/2008	Corrected H2 Board and H3 Board information. Replaced pages 13, 15, 16, 18, 21, & 38-39.
8/2009	Corrected H2 Board and H3 Board information. Replaced pages 3, 13, 15, 16, 18, 21, 38, 39, & 43.

LCD DIGITAL COLOR TELEVISION

SONY®

9-883-775-07

SERVICE MANUAL

RX1 CHASSIS

MODEL NAME	REMOTE COMMANDER	DESTINATION
KDL-19M4000	RM-YD025	US
KDL-19M4000	RM-YD025W	US
KDL-19M4000	RM-YD025	CANADA
KDL-19M4000	RM-YD025W	CANADA
KDL-19M4000	RM-YD025	MEXICO
KDL-19M4000	RM-YD025W	MEXICO

KDL-19M4000

RM-YD025

LCD DIGITAL COLOR TELEVISION

SONY®

9-883-775-07

TABLE OF CONTENTS

SECTION TITLE **PAGE**

Specifications 4
Warnings and Cautions 6
Safety-Related Component Warning 7
Safety Check-Out 9
Self-Diagnostic Function 10

SECTION 1: DISASSEMBLY 11

1-1. Stand Removal 11
1-2. Handle Removal 11
1-3. Rear Cover Removal 12
1-4. Function Key Removal 12
☛ 1-5. H3 Board Removal 13
1-6. A Board and G Board Removal 13
1-7. Hinge Removal 14
1-8. LCD Panel and Main Bracket Removal 14
1-9. Speakers Removal 15
☛ 1-10. H2 Board and LED Lens Removal 15
Wire Dressing 16
Overall View 16

SECTION 2: SERVICE ADJUSTMENTS 17

2-1. Resetting to Factory Defaults after Board Replacement 17

SECTION TITLE **PAGE**

SECTION 3: DIAGRAMS 18

3-1. Circuit Boards Location 18
3-2. Printed Wiring Boards and Schematic Diagrams Information 18
3-3. Block Diagram 20
3-4. Connector Diagram 21
3-5. Schematics and Supporting Information 22
A Board Schematic Diagram (1 of 15) 22
A Board Schematic Diagram (2 of 15) 23
A Board Schematic Diagram (3 of 15) 24
A Board Schematic Diagram (4 of 15) 25
A Board Schematic Diagram (5 of 15) 26
A Board Schematic Diagram (6 of 15) 27
A Board Schematic Diagram (7 of 15) 28
A Board Schematic Diagram (8 of 15) 29
A Board Schematic Diagram (9 of 15) 30
A Board Schematic Diagram (10 of 15) 31
A Board Schematic Diagram (11 of 15) 32
A Board Schematic Diagram (12 of 15) 33
A Board Schematic Diagram (13 of 15) 34
A Board Schematic Diagram (14 of 15) 35
A Board Schematic Diagram (15 of 15) 36
H1 Board Schematic Diagram 37
H2 Board Schematic Diagram 38
H3 Board Schematic Diagram 39
G Board Schematic Diagram 40

SECTION 4: EXPLODED VIEWS 42

4-1. Rear Cover Assembly and Stand Assembly 42
4-2. Chassis 43

APPENDIX A: ENCRYPTION KEY COMPONENTS A-1

SPECIFICATIONS

Power Requirements

120V - 240V AC, 50/60Hz

VIDEO (IN) 1/2

S Video (4-Pin Mini DIN) (Video 2 only)

Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative

C: 0.286 Vp-p (Burst signal), 75 ohms

Video

1.0 Vp-p, 75 ohms unbalanced, sync negative

Audio

500 mVrms (100% modulation)

Impedance:47 kilohms

COMPONENT IN:

YP_BP_R (Component Video)

Y:1.0 Vp-p, 75 ohms unbalanced, sync negative

P_B:0.7 Vp-p, 75 ohms

P_R:0.7 Vp-p, 75 ohms

Signal format: 480i, 480p, 720p, 1080i, 1080p

Audio

500 mVrms (100% modulation)

Impedance: 47 kilohms

HDMI IN:

HDMI

Video: 480i, 480p, 720p, 1080i

Audio: Two channel linear PCM 32, 44.1 and 48 kHz, 16 bits

Audio

500 mVrms (100% modulation)

Impedance: 47 kilohms

AUDIO OUT:

500 mVrms (100% modulation)

PC IN:

D-sub 15-pin, analog RGB, 0.7 Vp-p, 75 ohms, positive

PC AUDIO IN:

Stereo mini jack, 500mVrms, 47 kilohms

HEADPHONES:

Stereo mini jack

Impedance: 16 ohms

Trademark Information

Macintosh is a trademark of Apple Inc., registered in the U.S. and other countries.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Manufactured under license from Dolby Laboratories. “Dolby” and the double-D symbol are trademarks of Dolby Laboratories.

Blu-ray Disc is a trademark.

“BRAVIA”, BRAVIA and ▣ are trademarks of Sony Corporation.

Design and specifications are subject to change without notice.

	KDL-19M4000
Power Consumption	
in use	53W
in standby	Less than 1.0 W
Speaker Output (W)	3W + 3W
mm	40 x 100 mm
in	$1^{5/8}$ x 4 in
Dimensions (W x H x D) with stand and handle	
mm	485 x 165 x 400 mm
in	$19^{1/8}$ x $6^{1/2}$ x $15^{3/4}$ in
Dimensions (W x H x D) without stand and handle	
mm	485 x 85 x 401 mm
in	$19^{1/8}$ x $3^{3/8}$ x $15^{7/8}$ in
Mass with stand and handle	
kg	7.8 kg
lbs	17 lbs 2 oz
without stand and handle	
kg	6.9 kg
lbs	15 lbs 2 oz

All measurements are approximations.

Television system

NTSC	American TV Standard
ATSC (8VSB terrestrial)	ATSC Compliant 8VSB
QAM on cable	ANSI/SCTE 07 2000

Channel coverage

	Analog	Digital
Terrestrial	2-69	2-69
Cable	1-135	1-135

Antenna

75-ohm external terminal for VHF/UHF

Panel System

LCD (Liquid Crystal Display) Panel

Display Resolution (horizontal x vertical):

1440 dots x 900 lines

Screen Size (measured diagonally)

approx. 19 inches

Supplied Accessories

Remote Commander RM-YD025 or RM-YD025W
Size AA Batteries (2)
AC Power Cord
Cable Band
Operating Instructions
Quick Setup Guide
Warranty Card
Online Registration Card (USA only)

Optional Accessories

Headphones Plug Adapter
Connecting Cables
Wall-Mount Bracket
SU-WL100

WARNINGS AND CAUTIONS

CAUTION

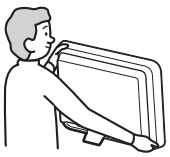
These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

CARRYING THE TV

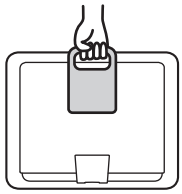
Carry the TV in the specified manner

To avoid dropping the TV and causing serious injury, be sure to follow these guidelines:

- Before carrying the TV, disconnect all cables.
- When you carry the TV without handle, place your hand as illustrated and hold it securely. Do not put stress on the LCD panel.
- When carrying the TV, do not subject it to shocks or vibration, or excessive force.



Without handle



With handle

WARNING!!

An isolation transformer should be used during any service to avoid possible shock hazard, because of live chassis. The chassis of this receiver is directly connected to the ac power line.

⚠ SAFETY-RELATED COMPONENT WARNING!!

Components identified by shading and ⚠ mark on the schematic diagrams, exploded views, and in the parts list are critical for safe operation. Replace these components with Sony parts whose part numbers appear as shown in this manual or in supplements published by Sony. Circuit adjustments that are critical for safe operation are identified in this manual. Follow these procedures whenever critical components are replaced or improper operation is suspected.

ATTENTION!!

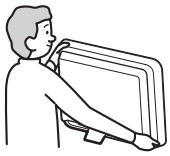
Ces instructions de service sont à l'usage du personnel de service qualifié seulement. Pour prévenir le risque de choc électrique, ne pas faire l'entretien autre que celui contenu dans le Mode d'emploi à moins que vous soyez qualifié faire ainsi.

POUR TRANSPORTER LE TÉLÉVISEUR

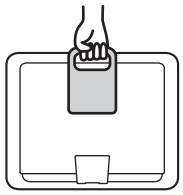
Transport du téléviseur de la manière précisée

Assurez-vous de suivre ces consignes pour éviter de laisser tomber le téléviseur et de provoquer des blessures graves :

- Débranchez tous les câbles avant de transporter le téléviseur.
- Transportez le téléviseur en plaçant les mains tel qu'illustré et le tenir solidement. N'appliquez pas de pression sur l'écran ACL.
- Lorsque vous transportez le téléviseur, ne le soumettez pas à des chocs ou vibrations, ni à une force excessive.



Sans poignee de transport



Avec poignee de transport

Afin d'eviter tout risque d'electrocution provenant d'un châssis sous tension, un transformateur d'isolement doit etre utilisé lors de tout dépannage. Le châssis de ce récepteur est directement raccordé à l'alimentation du secteur.

⚠ ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

Les composants identifies par une trame et par une marque ⚠ sur les schemas de principe, les vues explosees et les listes de pieces sont d'une importance critique pour la securite du fonctionnement. Ne les remplacer que par des composants Sony dont le numero de piece est indique dans le present manuel ou dans des supplements publies par Sony. Les reglages de circuit dont l'importance est critique pour la securite du fonctionnement sont identifies dans le present manuel. Suivre ces procedures lors de chaque remplacement de composants critiques, ou lorsqu'un mauvais fonctionnement suspecte.

SAFETY-RELATED COMPONENT WARNING

There are critical components used in LCD color TVs that are important for safety. These components are identified with shading and ⚠ mark on the schematic diagrams and the electrical parts list. It is essential that these critical parts be replaced only with the part number specified in the electrical parts list to prevent electric shock, fire, or other hazard.

NOTE: Do not modify the original design without obtaining written permission from the manufacturer or you will void the original parts and labor guarantee.

USE CAUTION WHEN HANDLING THE LCD PANEL

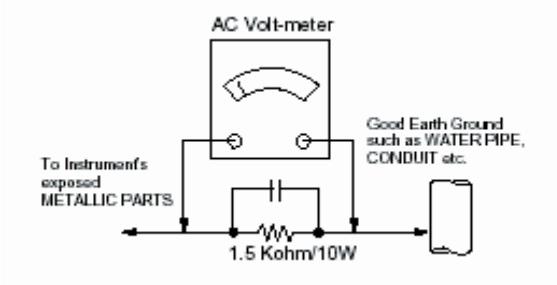
When repairing the LCD panel, be sure you are grounded by using a wrist band.

When installing the LCD panel on a wall, the LCD panel must be secured using the 4 mounting holes on the rear cover.

To avoid damaging the LCD panel:

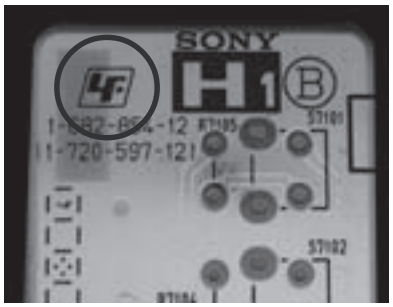
- → do not press on the panel or frame edge to avoid the risk of electric shock.
- → do not scratch or press on the panel with any sharp objects.
- → do not leave the module in high temperatures or in areas of high humidity for an extended period of time.
- → do not expose the LCD panel to direct sunlight.
- → avoid contact with water. It may cause a short circuit within the module.
- → disconnect the AC adapter when replacing the backlight (CCFL) or inverter circuit. (High voltage occurs at the inverter circuit at 650Vrms.)
- → always clean the LCD panel with a soft cloth material.
- → use care when handling the wires or connectors of the inverter circuit. Damaging the wires may cause a short.
- → protect the panel from ESD to avoid damaging the electronic circuit (C-MOS).

LEAKAGE CURRENT HOT CHECK CIRCUIT



example 1

The circuit boards used in these models have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. H1 etc [see example]. The servicing of these boards requires special precautions to be taken as outlined below.



It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints.
Lead Free Solder is available under the following part numbers :

Part number	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to *http://www.sony-training.com*

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.

2. Check the interboard wiring to ensure that no wires are “pinched” or touching high-wattage resistors.

3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.

4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.

5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.

6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.

7. Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

Leakage Test

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instructions.

2. A battery-operated AC milliampmeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson’s 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms.

If a cold-water pipe is not accessible, connect a 60- to 100-watt trouble- light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

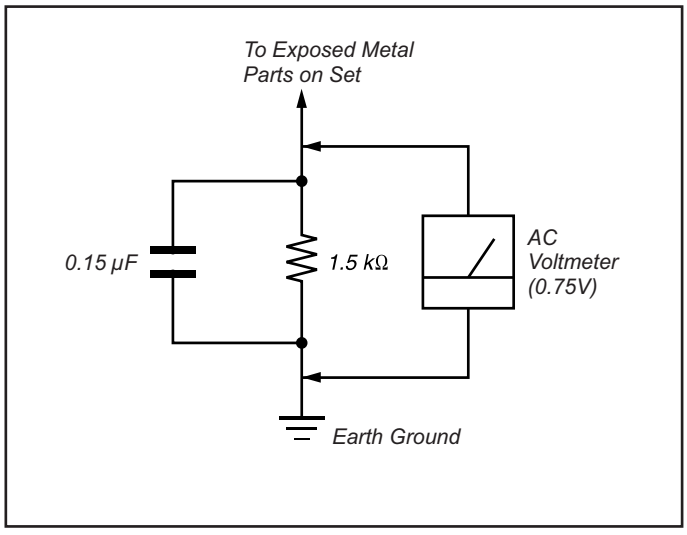


Figure A. Using an AC voltmeter to check AC leakage.

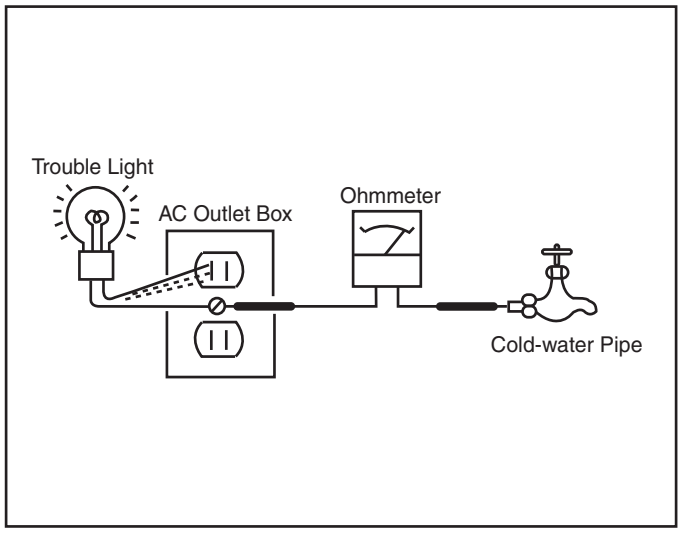
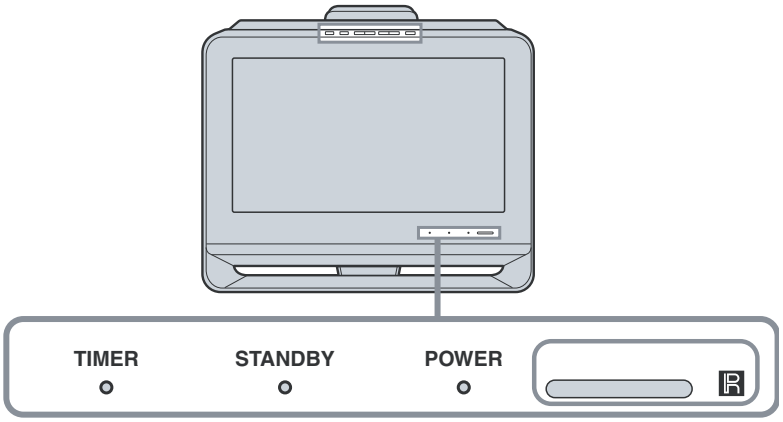


Figure B. Checking for earth ground.

SELF-DIAGNOSTIC FUNCTION

IMPORTANT:
The unit in this manual DOES NOT contain a self-diagnostic function. If an error occurs, the TV will not stay on. It is our recommendation that if a repair is required for this set, the technician should bring both the A Board and the G Board to the customer location.

Control Buttons

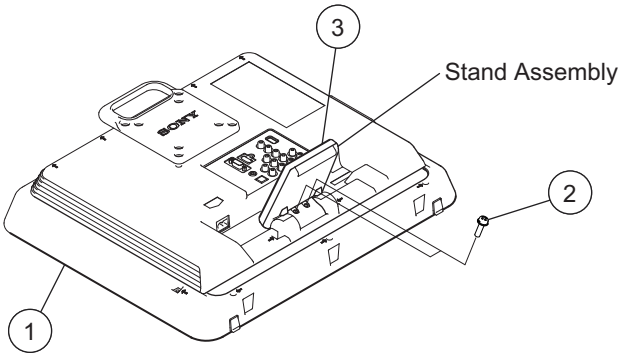


Description of LED Indictors
The unit in this manual DOES NOT contain a self-diagnostic function.

SECTION 1: DISASSEMBLY

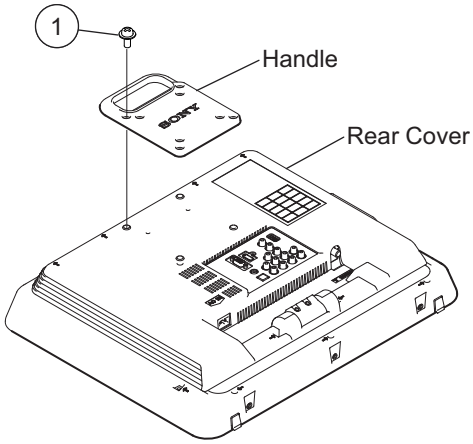
1-1. STAND REMOVAL

(1) Place the TV set face down onto the soft cloth
(2) Remove 2 screws, +PSW M4X16
(3) Hold both sides of the stand firmly, and pull out the stand from hinge housing



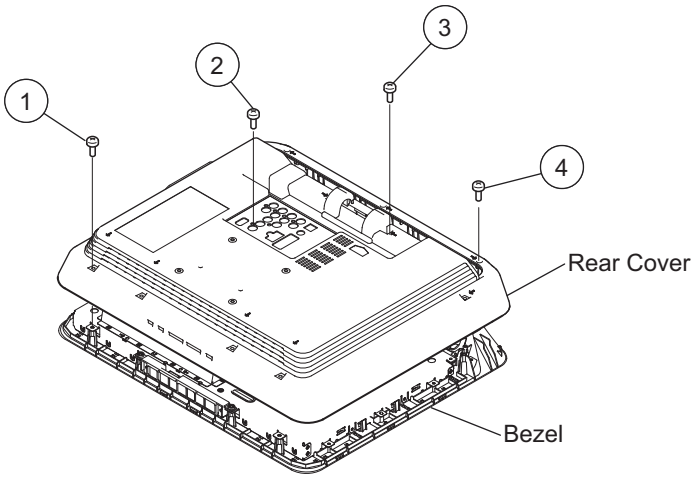
1-2. HANDLE REMOVAL

(1) Remove 4 screws Handle and Rear Cover, +PSW M4X12



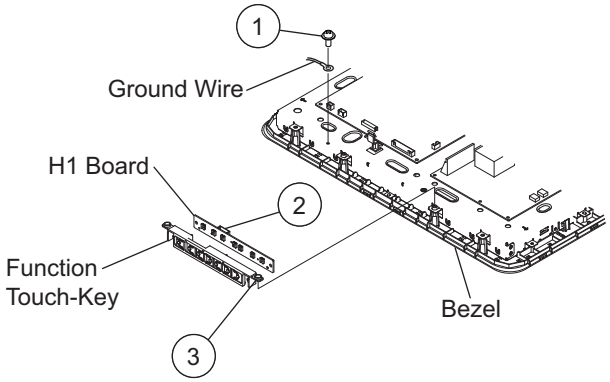
1-3. REAR COVER REMOVAL

(1) Remove 6 screws, +BVTP 4X25
(2) Remove 3 screws from Terminal positions, +BVTP 3X10
(3) Remove 2 screws from both sides of Hinge positions, +BVTP 4X12
(4) Remove 3 screws from bottom of Rear Cover, +BVTP 3X10



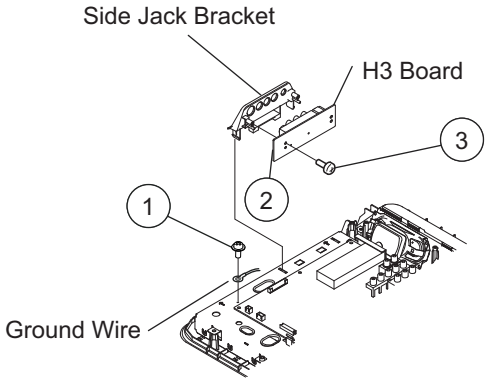
1-4. FUNCTION KEY REMOVAL

(1) Remove 1 screw and release ground wire, +PSW M3X6
(2) Disconnect one connector from H1 Board
(3) Release hooks



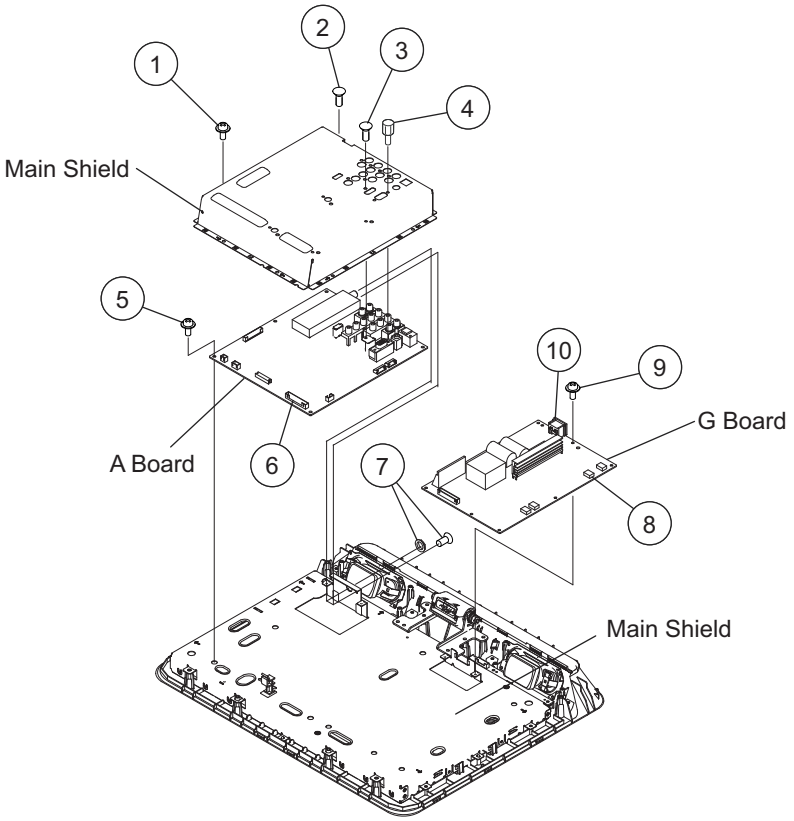
☛ 1-5. H3 BOARD REMOVAL

1. Remove 1 screw and release ground wire, +PSW M3X6
2. Disconnect one connector from H3 Board
3. Remove 2 screws, +BVTP 3X10



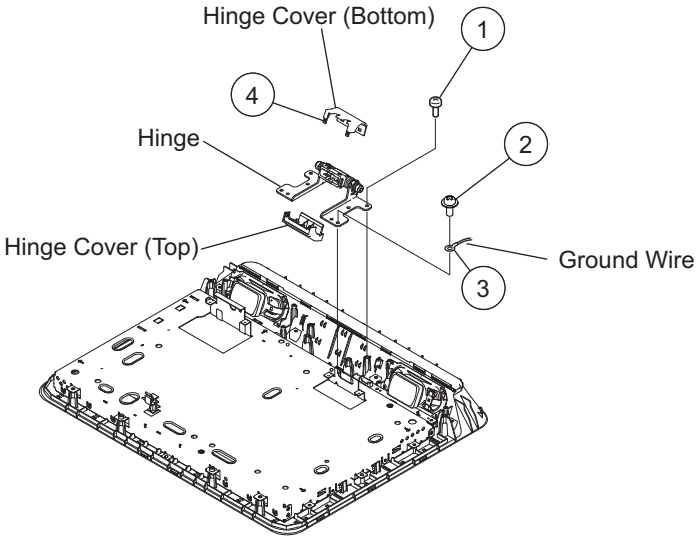
1-6. A BOARD AND G BOARD REMOVAL

1. Remove 8 screws and release ground wire, +PSW M3X6
2. Remove 4 screws from bottom of Main Shield, +FH 4X5
3. Remove 1 screw, +FH 3X4
4. Remove 2 screws, UNC (HEX)
5. Remove 5 screws, +PSW M3X6
6. Disconnect 8 connectors
7. Remove 1 Nut and 1 screw (+FH3X4) from Tuner
8. Disconnect 5 connectors
9. Remove 6 screws, +PSW M3X6
10. Slide out AC inlet with G Board from Main Bracket



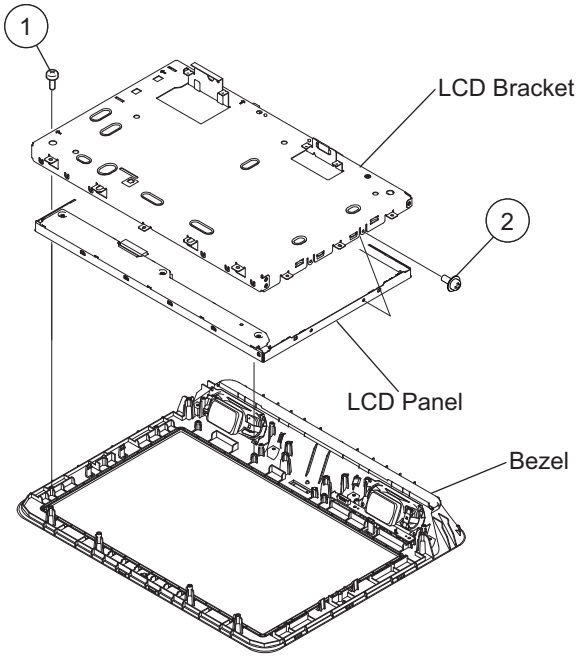
1-7. HINGE REMOVAL

(1) Remove 2 screws, +BVTP 4X21
(2) Remove 2 screws, +PSW M4X16
(3) Release Ground Wire
(4) Unhook Bottom and Top Hinge Covers



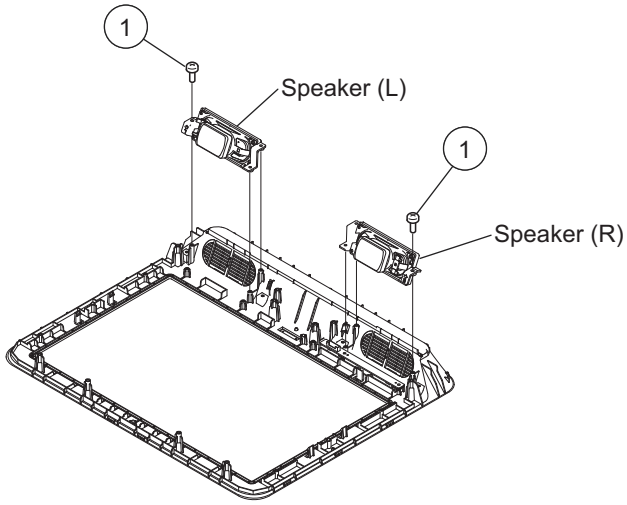
1-8. LCD PANEL AND MAIN BRACKET REMOVAL

(1) Remove 7 screws, +BVTP 3X10
(2) Remove 4 screws, +PSW M3X6



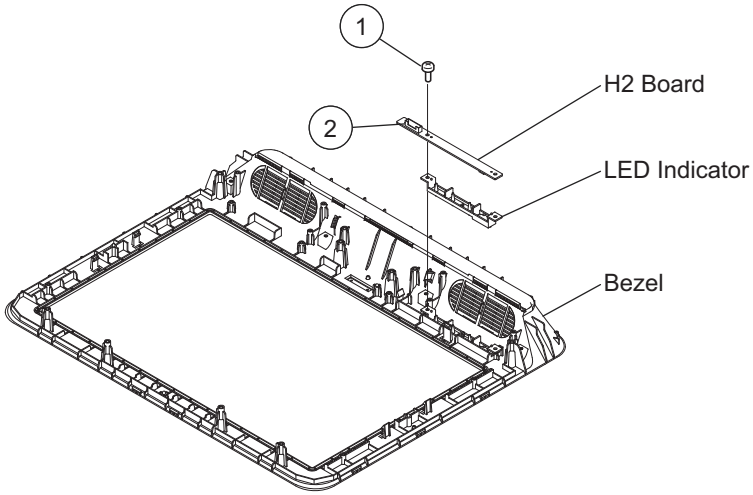
1-9. SPEAKERS REMOVAL

(1) Remove 6 screws from Speakers, +BVTP 3X10



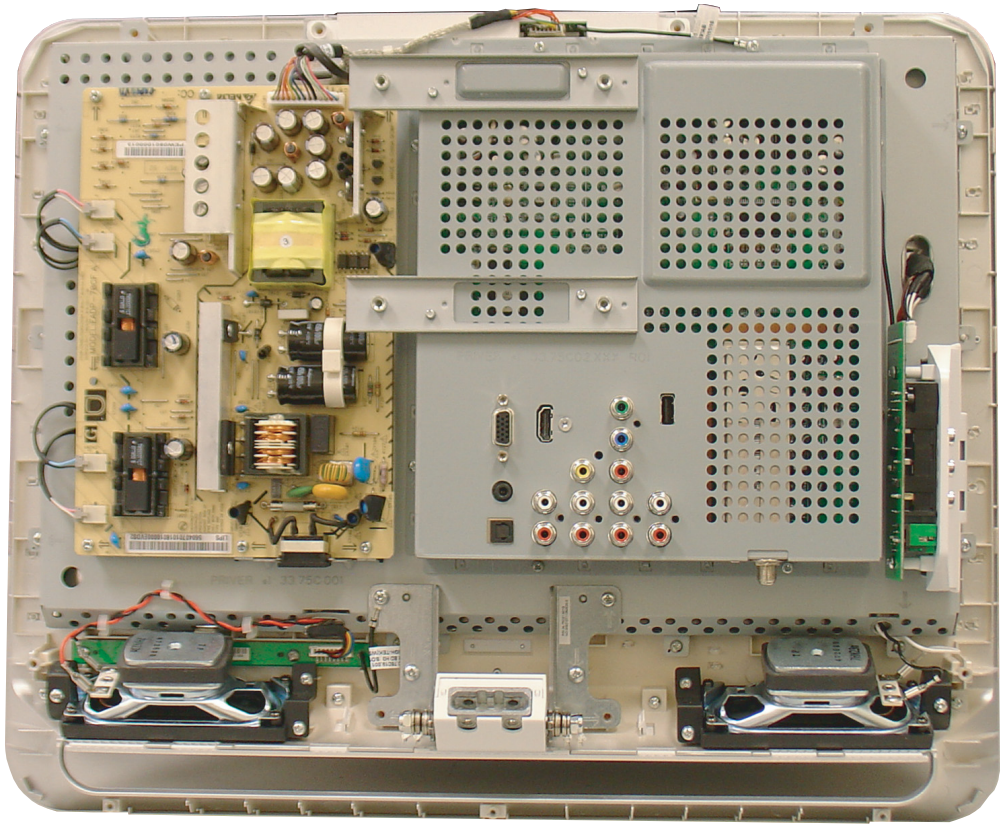
☛1-10. H2 BOARD AND LED LENS REMOVAL

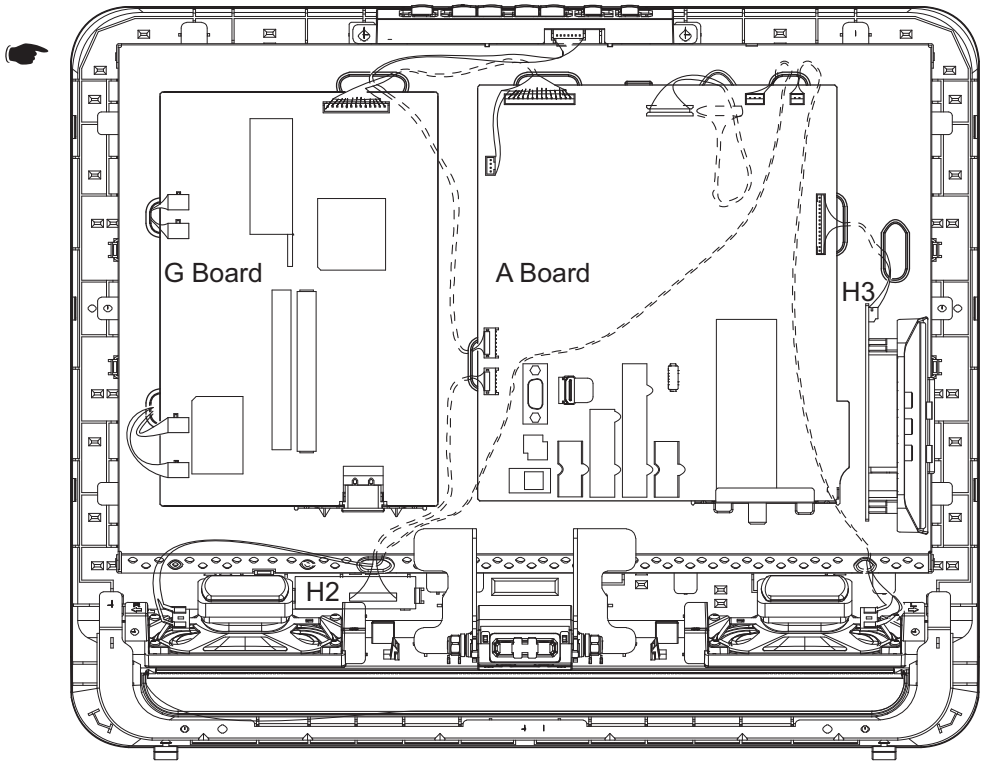
(1) Remove 2 screws, +BVTP 3X10
(2) Disconnect 1 connector



WIRE DRESSING

OVERALL VIEW





SECTION 2: SERVICE ADJUSTMENTS

2-1. RESETTING TO FACTORY DEFAULTS AFTER BOARD REPLACEMENT

Traditional Service Mode is not available in this chassis. The only option for service technicians is to reset all of the settings to the Factory Default from the Self Diagnostic screen.

CAUTION: Resetting the TV to the Factory Defaults will *over-write all customer settings* including Parental Lock setting. Before performing this reset, contact the customer to determine what adjustments they have made.

1. Turn on the TV.
2. While holding down the ↑ button on the remote control, on the TV press and hold the **MENU** button until "reset" displays at the bottom left corner of the screen.

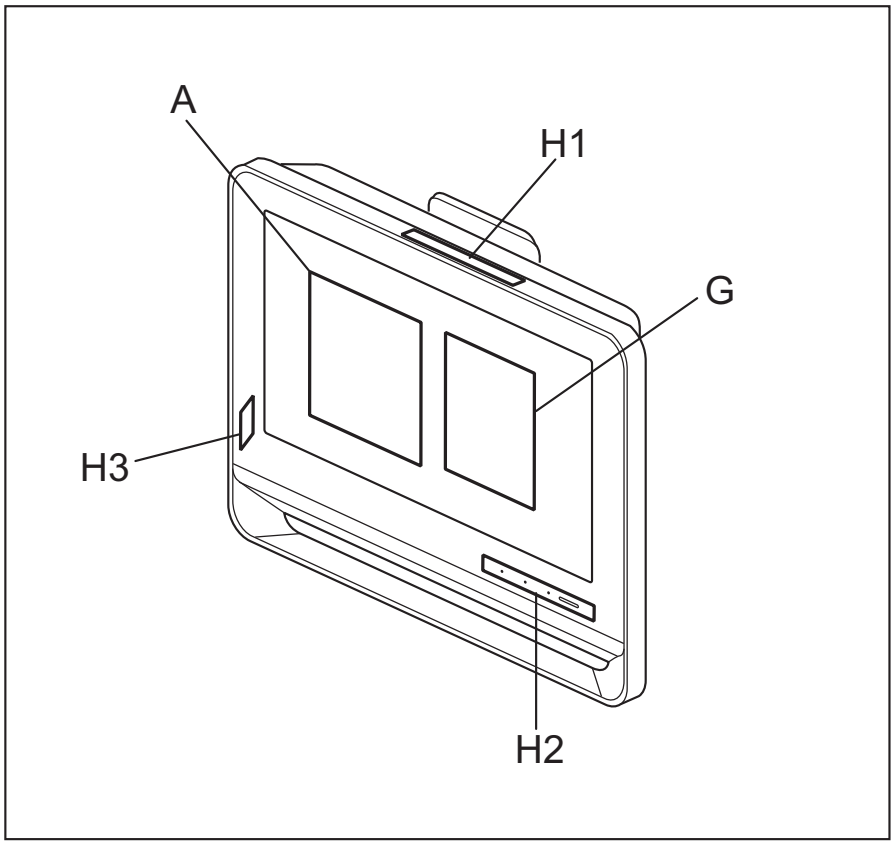
   The TV turns itself off, then turns back on again.

   The Initial Setup screen displays.
3. Use the Initial Setup screen options to reset the TV to the factory settings.

RM-YD025

SECTION 3: DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



3-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in µF unless otherwise noted. pF : µµF 50WV or less are not indicated except for electrolytics and tantalums.

All electrolytics are in 50V unless otherwise specified.

All resistors are in ohms. kΩ=1000Ω, MΩ=1000kΩ

Indication of resistance, which does not have one for rating electrical power, is as follows: Pitch : 5mm
Rating electrical power : $^1/_4$ W

$^1/_4$ W in resistance, $^1/_{10}$ W and $^1/_{16}$ W in chip resistance.

: nonflammable resistor

: fusible resistor

: internal component

: panel designation and adjustment for repair

: earth ground

: earth-chassis

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

Readings are taken with a color-bar signal input.

Readings are taken with a 10MΩ digital multimeter.

Voltages are DC with respect to ground unless otherwise noted.

Voltage variations may be noted due to normal production tolerances.

All voltages are in V.

S : Measurement impossibility.

: B+line.

: B-line. (Actual measured value may be different).

: signal path. (RF)

Circled numbers are waveform references.

The components identified by shading and ⚠ symbol are critical for safety. Replace only with part number specified.

The symbol indicates a fast operating fuse and is displayed on the component side of the board. Replace only with fuse of the same rating as marked.

Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

Le symbole indique une fusible a action rapide. Doit etre remplace par une fusible de meme yaleur, comme maque.

NOTE: The components identified by a red outline and a mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced.
See Appendix A: Encryption Key Components in the back of this manual.

REFERENCE INFORMATION

RESISTOR

: RN	METAL FILM
: RC	SOLID
: FPRD	NONFLAMMABLE CARBON
: FUSE	NONFLAMMABLE FUSIBLE
: RW	NONFLAMMABLE WIREWOUND
: RS	NONFLAMMABLE METAL OXIDE
: RB	NONFLAMMABLE CEMENT
: ※	ADJUSTMENT RESISTOR

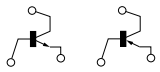
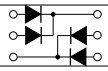
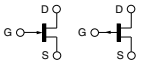
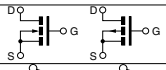
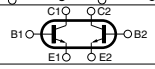
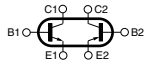
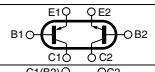
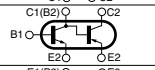
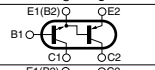
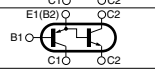
CAPACITOR

: TA	TANTALUM
: PS	STYROL
: PP	POLYPROPYLENE
: PT	MYLAR
: MPS	METALIZED POLYESTER
: MPP	METALIZED POLYPROPYLENE
: ALB	BIPOLAR
: ALT	HIGH TEMPERATURE
: ALR	HIGH RIPPLE

COIL

: LF-8L MICRO INDUCTOR

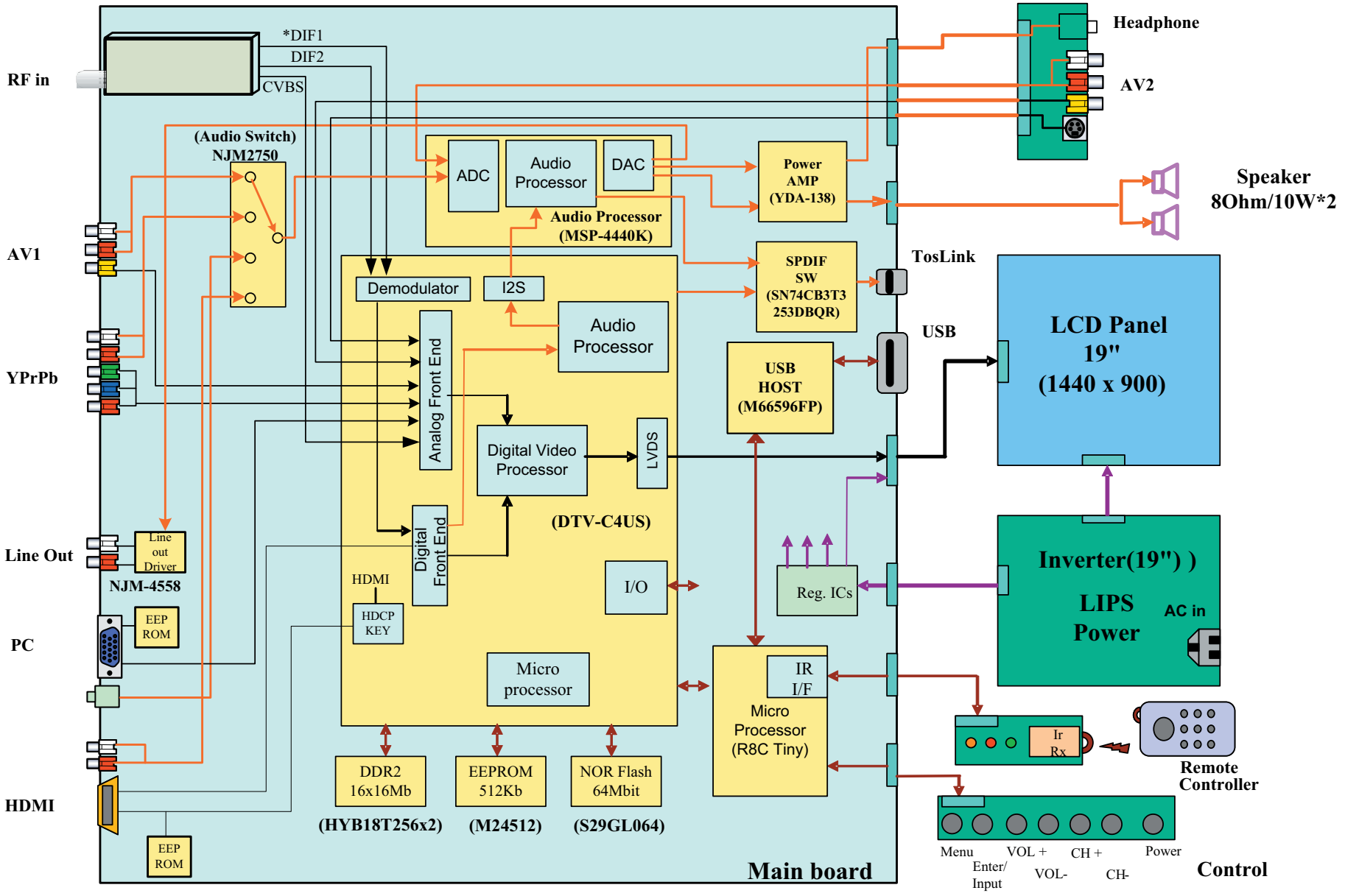
Terminal name of semiconductors in silk screen printed circuit (※)

	Device	Printed symbol	Terminal name	Circuit
1	Transistor		Collector Base Emitter	
2	Transistor		Collector Base Emitter	
3	Diode		Cathode Anode	
4	Diode		Cathode Anode (NC)	
5	Diode		Cathode Anode (NC)	
6	Diode		Common Anode Cathode	
7	Diode		Common Anode Cathode	
8	Diode		Common Anode Anode	
9	Diode		Common Anode Anode	
10	Diode		Common Cathode Cathode	
11	Diode		Common Cathode Cathode	
12	Diode		Anode Cathode Anode Anode Cathode Anode	
13	Transistor (FET)		Drain Source Gate	
14	Transistor (FET)		Drain Source Gate	
15	Transistor (FET)		□ Source □ Drain □ Gate	
16	Transistor		□ Emitter □ Collector □ Base	
17	Transistor		C2 B1 E1 E2 B2 C1	
18	Transistor		C1 B2 E2 E1 B1 C2	
19	Transistor		C1 B2 E2 E1 B1 C2	
20	Transistor		C1 B2 E2 E1 B1 C2	
21	Transistor		E2 B1 E1 C2 C1(B2)	
22	Transistor		(B2) B1 E1 E2 C1 C2	
23	Transistor		(B2) E2 E1 B1 C2 C1	
–	Discrete semiconductor			

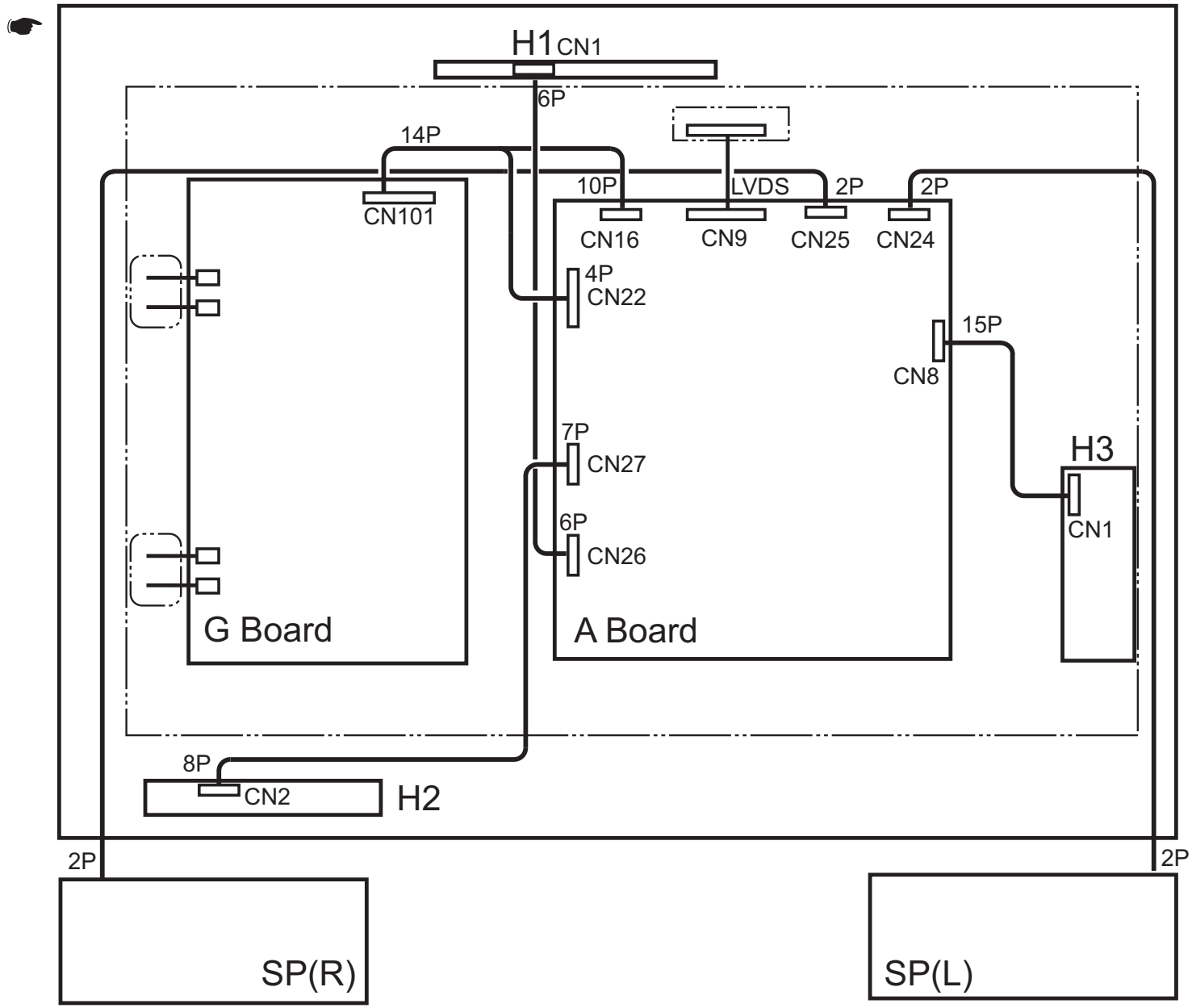
(Chip semiconductors that are not actually used are included.)

Ver.1.6

3-3. BLOCK DIAGRAM



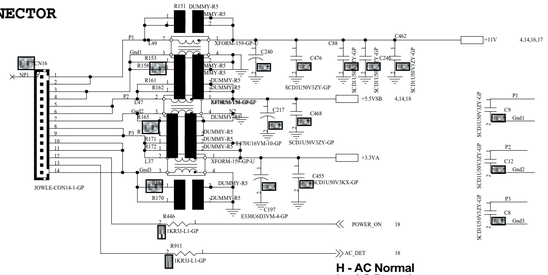
3-4. CONNECTOR DIAGRAM



3-5. SCHEMATICS AND SUPPORTING INFORMATION

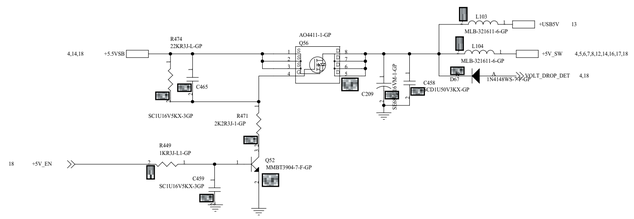
A BOARD SCHEMATIC DIAGRAM (1 OF 15)

POWER CONNECTOR

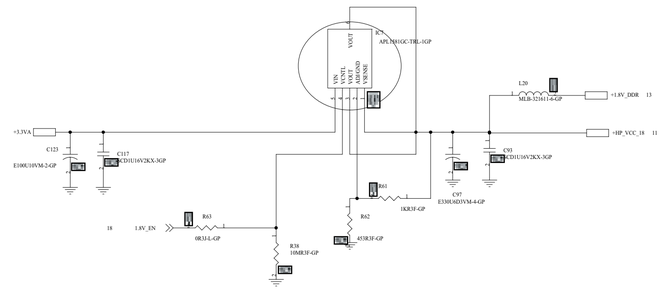


H - AC Normal
L - AC Drop down

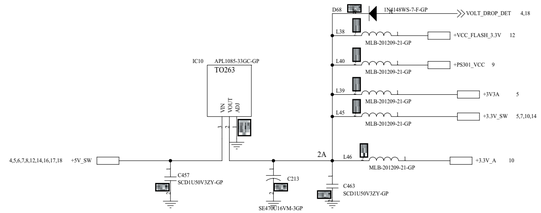
5.5VSB ->SW->+5V_SW



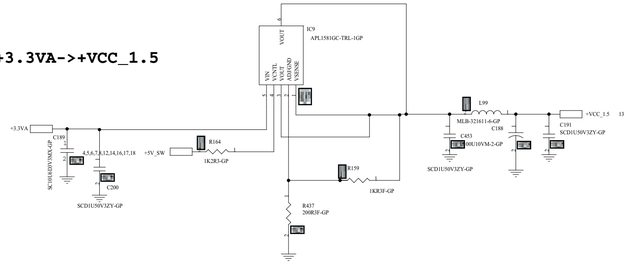
+3.3VA ->+HP_VCC_18



+5V_SW>3.3V,+3.3V_SW,+VCC_FLASH_3.3V,+PS301_VCC

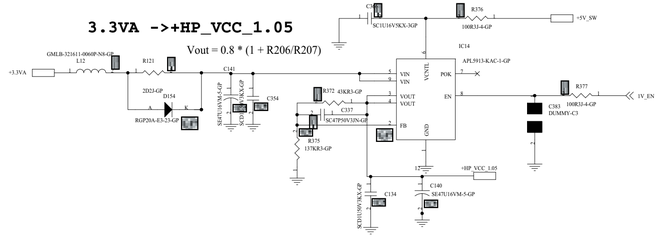


+3.3VA->+VCC_1.5



3.3VA ->+HP_VCC_1.05

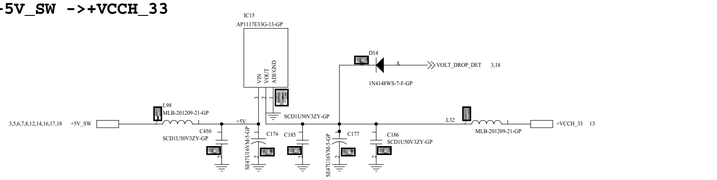
Vout = 0.8 * (1 + R206/R207)



A 1/15
POWER

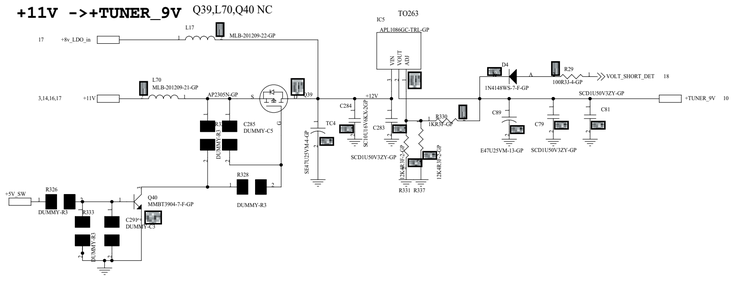
A BOARD SCHEMATIC DIAGRAM (2 OF 15)

+5V_SW ->+VCCH_33

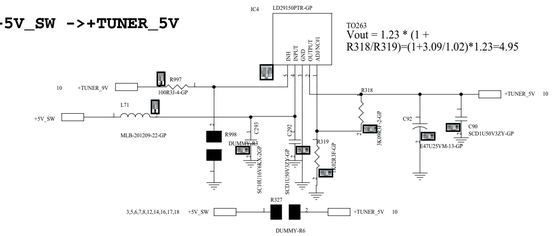


+11V ->+TUNER_9V

Q39,L70,Q40 NC

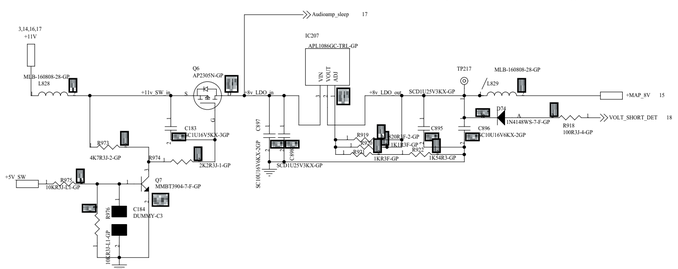


+5V_SW ->+TUNER_5V



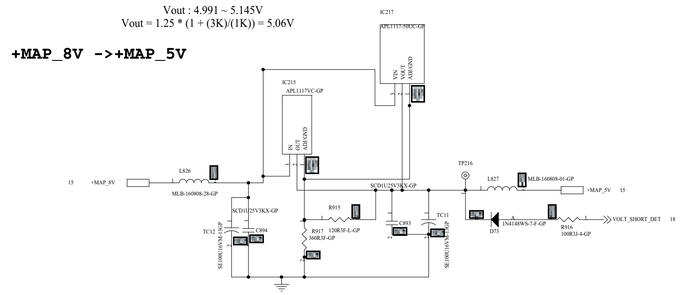
12V ->MSP__8V

Vout : 7.87V ~ 8.15V Vout = 1.25 * (1 + (1K+1.54K)/(1.1K//820)) = 8.15V

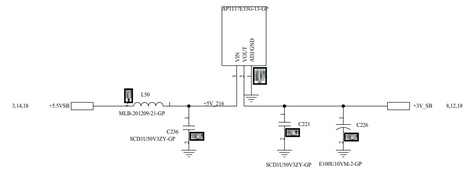


+MAP_8V ->+MAP_5V

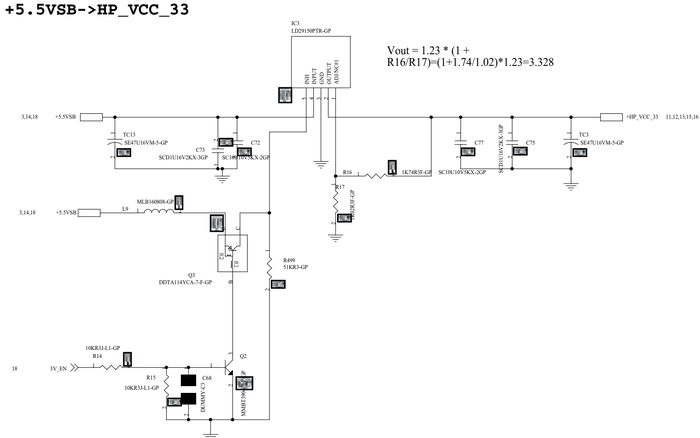
Vout : 4.991 ~ 5.145V
Vout = 1.25 * (1 + (3K)/(1K)) = 5.06V



MCU Power +5.5SB -> 3.3_SB



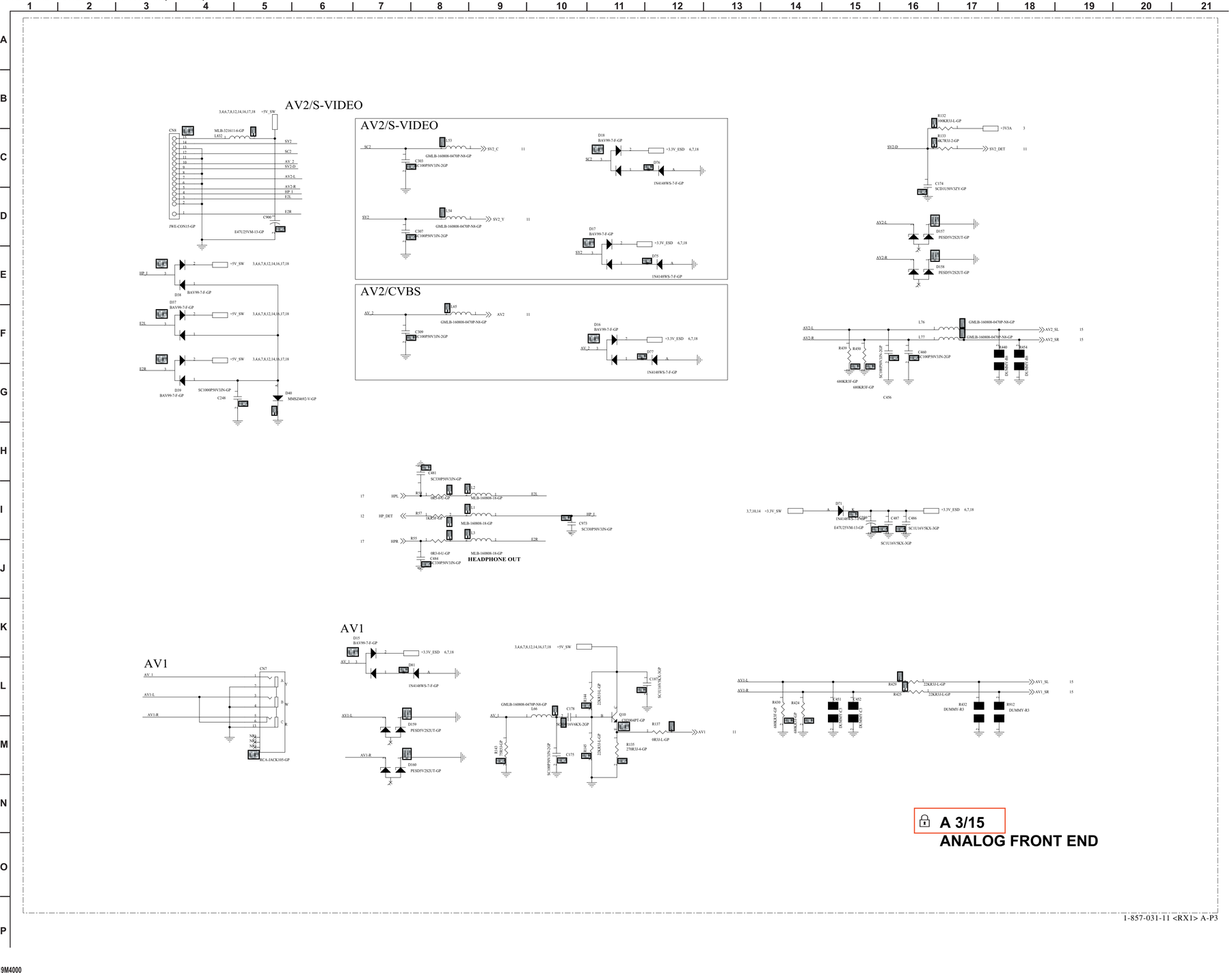
+5.5VSB->HP_VCC_33



A 2/15
POWER (CONT.)

1-857-031-11 <RX1> A-P2

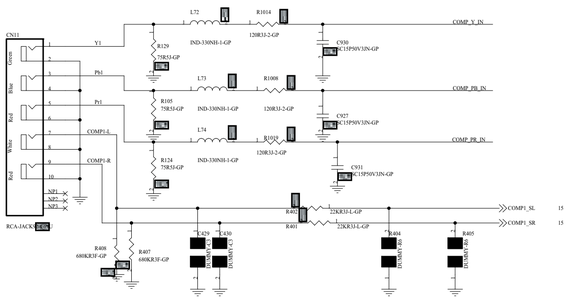
A BOARD SCHEMATIC DIAGRAM (3 OF 15)



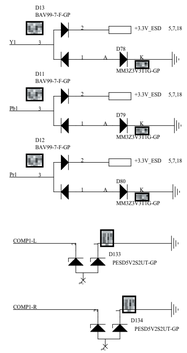
1-857-031-11 <RX1> A-P3

A BOARD SCHEMATIC DIAGRAM (4 OF 15)

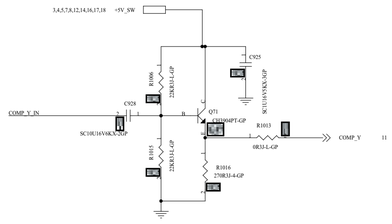
COMPONENT I/P

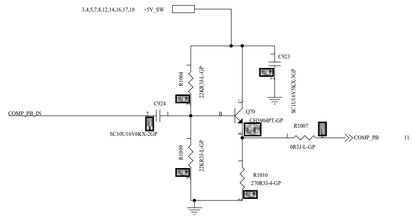


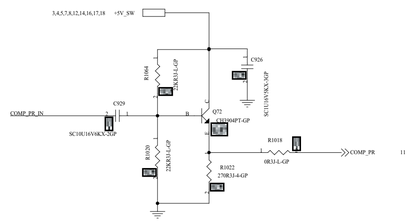
Y/Pb/Pr + R/L ESD protection



Y/Pb/Pr video buffer





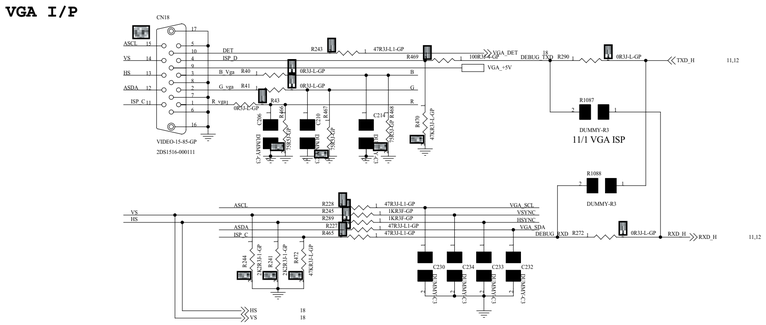


A 4/15
ANALOG FRONT END
Ypbpr

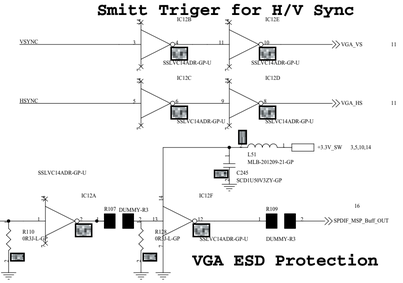
1-857-031-11 <RX1> A-P1

A BOARD SCHEMATIC DIAGRAM (5 OF 15)

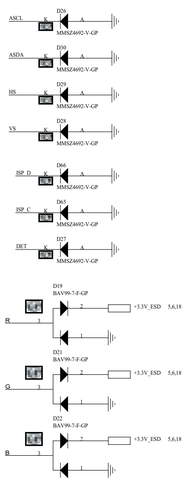
VGA I/P



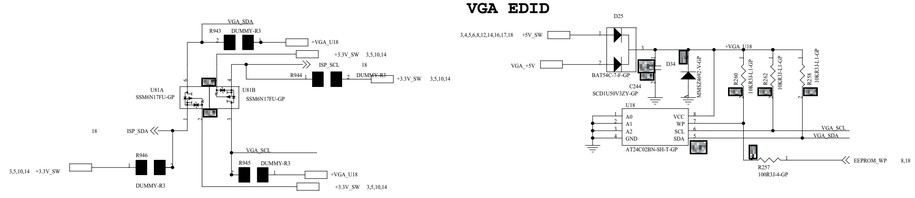
Smitt Triger for H/V Sync



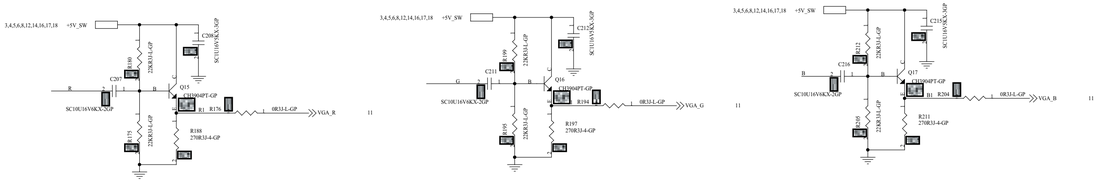
VGA ESD Protection



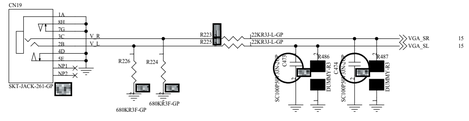
VGA EDID



VGA R/G/B video Buffer

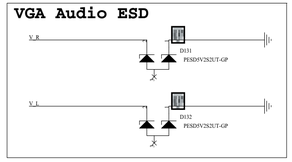


VGA Audio I/P



12/27 add cap by

VGA Audio ESD

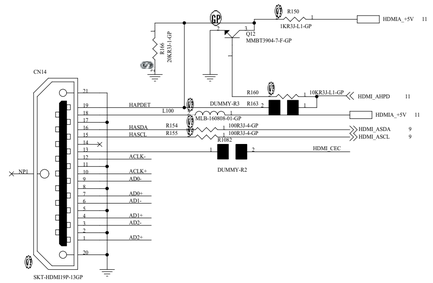


A 5/15
VGA FRONT END

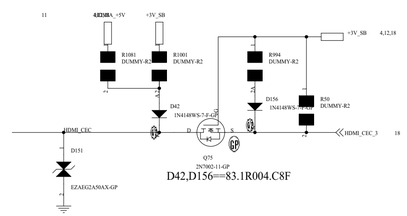
1-857-031-11 <RX1> A-P5

A BOARD SCHEMATIC DIAGRAM (6 OF 15)

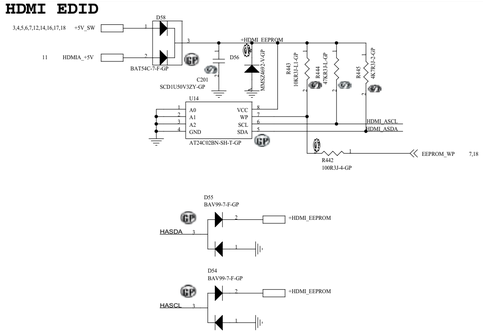
HDMI1 I/P



CEC Level Shift to MCU

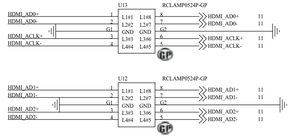


HDMI EDID

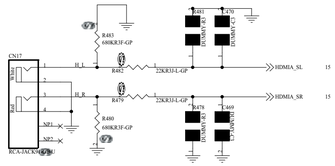


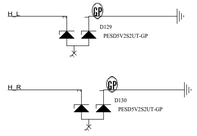
Common Chock for EMI

TVS Array for ESD



HDMI AUDIO INPUT



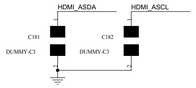


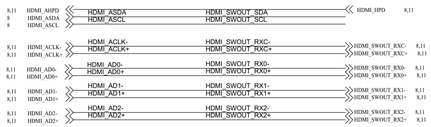
A 6/15

HDMI FRONT END

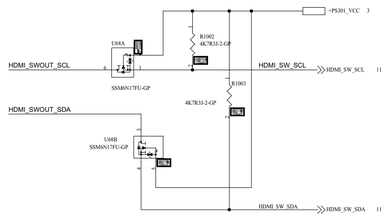
1-857-031-11 <RX1> A-P6

A BOARD SCHEMATIC DIAGRAM (7 OF 15)





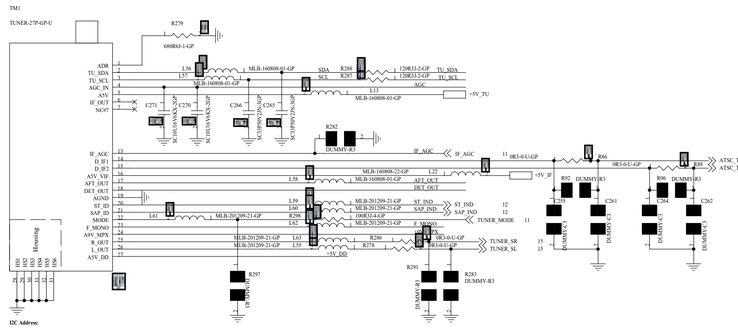
For capacitor isolation and level shift

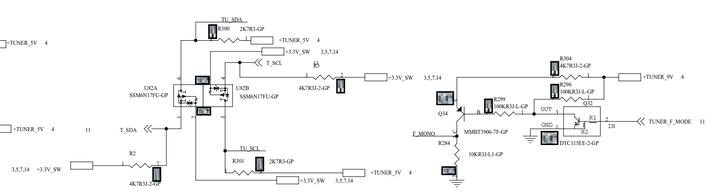


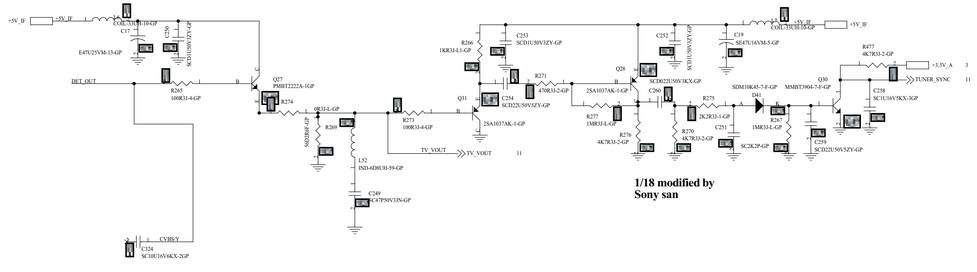
A 7/15
HDMI SWITCH

A BOARD SCHEMATIC DIAGRAM (8 OF 15)

Tuner

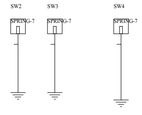






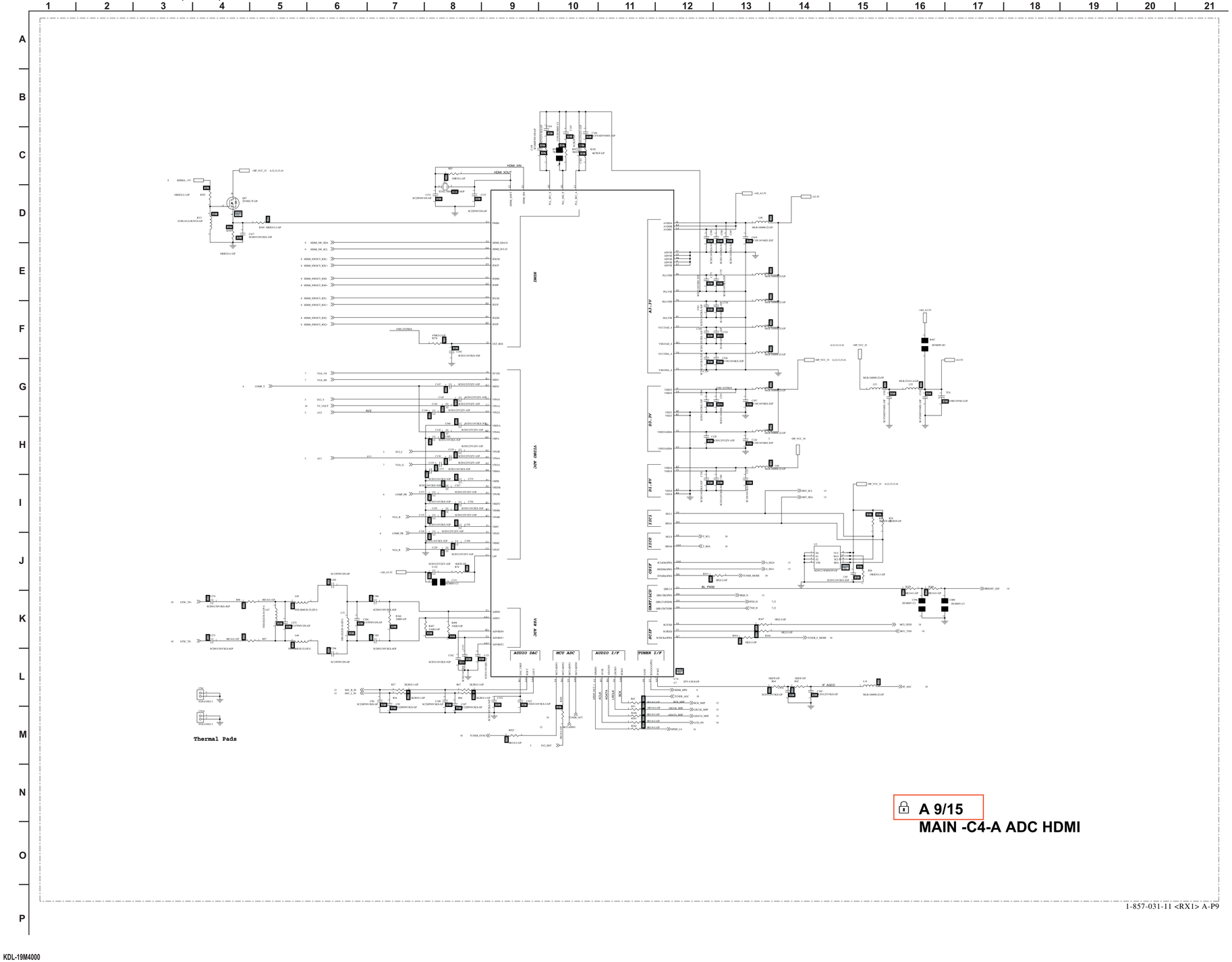
1/18 modified by
Sony san

1/2 add Tuner gnd SW By
Sony san request

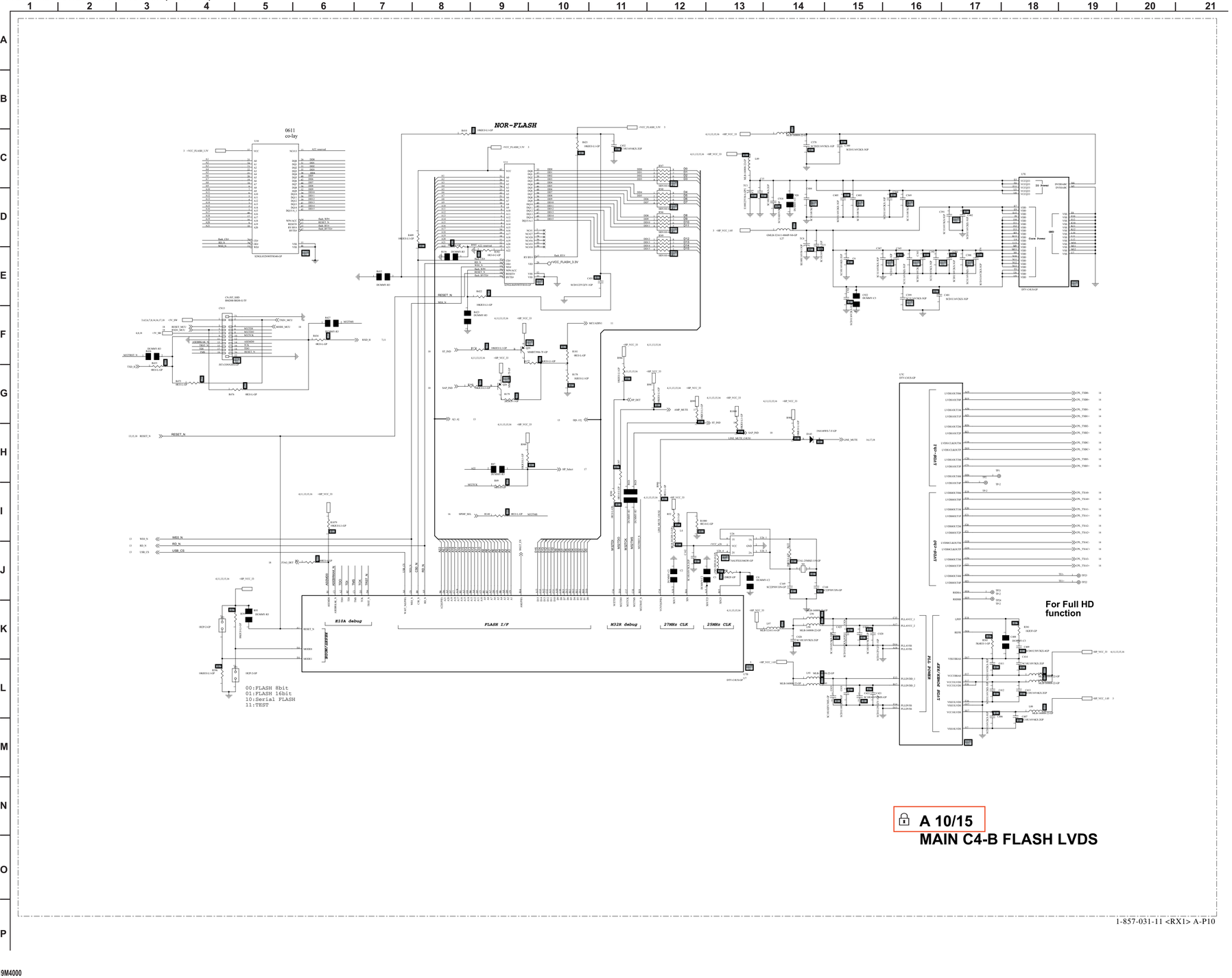


A 8/15
TUNER

A BOARD SCHEMATIC DIAGRAM (9 OF 15)

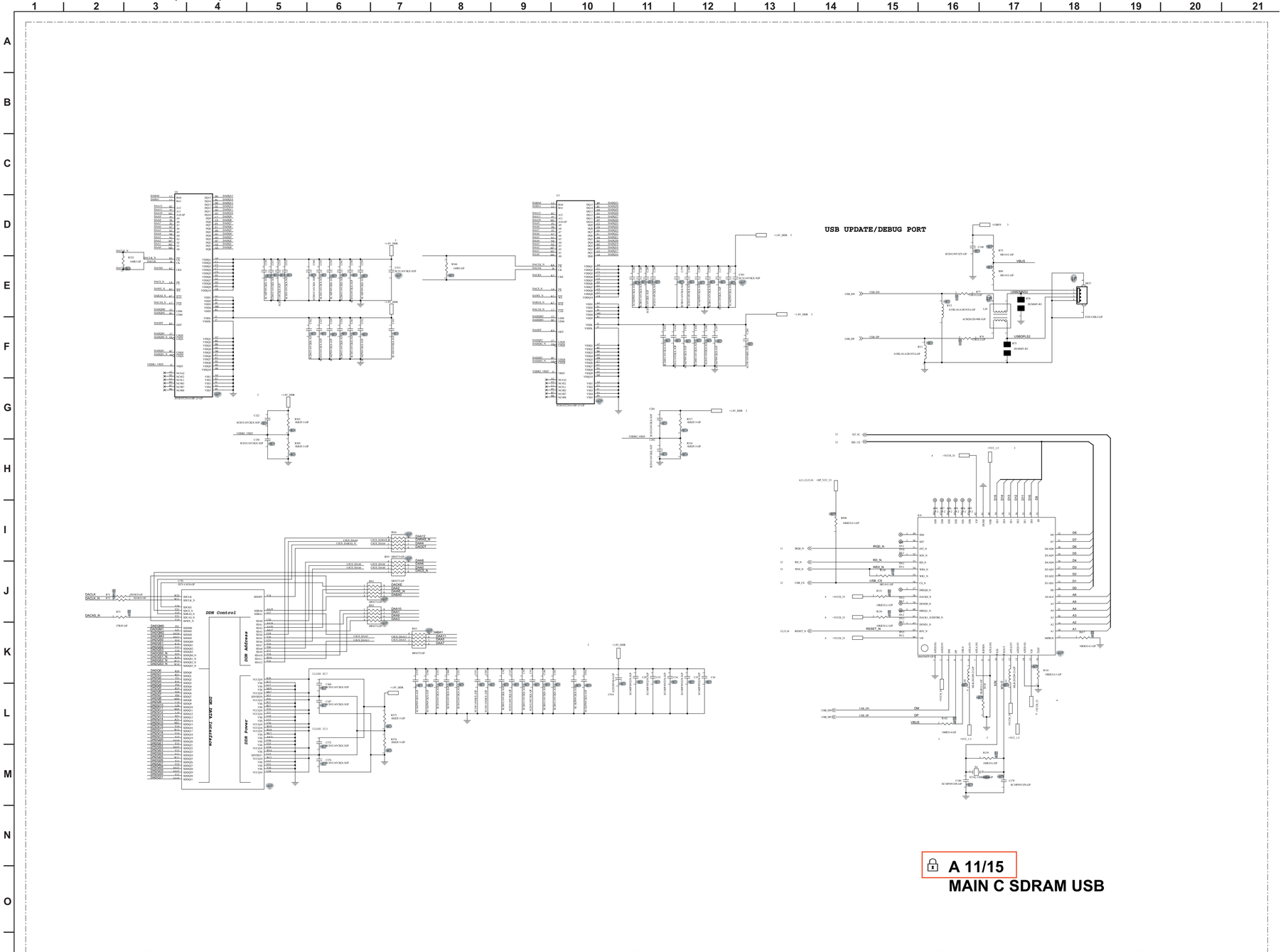

HDMI_SDA,10
HDMI_SCL,10
HDMI_SW0UT_RXC
HDMI_SW0UT_RXC*
HDMI_SW0UT_RX0
HDMI_SW0UT_RX0*
HDMI_SW0UT_RX1
HDMI_SW0UT_RX1*
HDMI_SW0UT_RX2
HDMI_SW0UT_RX2*
VGA_VS
VGA_HS
COMP_Y
SVC_Y
TV_VAV2
AV2
AV1
SVC_C
VGA_G
COMP_PR
VGA_B
COMP_PB
VGA_R
ATSC_TS+
ATSC_TS-
SCL_I
SDA_I
SCL_S
SDA_S
SCL_M
SDA_M
SCL_D
SDA_D
SCL_T
SDA_T
SCL_C
SDA_C
SCL_P
SDA_P
SCL_E
SDA_E
SCL_F
SDA_F
SCL_G
SDA_G
SCL_H
SDA_H
SCL_J
SDA_J
SCL_K
SDA_K
SCL_L
SDA_L
SCL_N
SDA_N
SCL_O
SDA_O
SCL_Q
SDA_Q
SCL_R
SDA_R
SCL_U
SDA_U
SCL_V
SDA_V
SCL_W
SDA_W
SCL_X
SDA_X
SCL_Y
SDA_Y
SCL_Z
SDA_Z
SCL_AA
SDA_AA
SCL_AB
SDA_AB
SCL_AC
SDA_AC
SCL_AD
SDA_AD
SCL_AE
SDA_AE
SCL_AF
SDA_AF
SCL_AG
SDA_AG
SCL_AH
SDA_AH
SCL_AI
SDA_AI
SCL_AJ
SDA_AJ
SCL_AK
SDA_AK
SCL_AL
SDA_AL
SCL_AM
SDA_AM
SCL_AN
SDA_AN
SCL_AO
SDA_AO
SCL_AP
SDA_AP
SCL_AQ
SDA_AQ
SCL_AR
SDA_AR
SCL_AS
SDA_AS
SCL_AT
SDA_AT
SCL_AU
SDA_AU
SCL_AV
SDA_AV
SCL_AW
SDA_AW
SCL_AX
SDA_AX
SCL_AY
SDA_AY
SCL_AZ
SDA_AZ
SCL_BA
SDA_BA
SCL_BB
SDA_BB
SCL_BC
SDA_BC
SCL_BD
SDA_BD
SCL_BE
SDA_BE
SCL_BF
SDA_BF
SCL_BG
SDA_BG
SCL_BH
SDA_BH
SCL_BI
SDA_BI
SCL_BJ
SDA_BJ
SCL_BK
SDA_BK
SCL_BL
SDA_BL
SCL_BM
SDA_BM
SCL_BN
SDA_BN
SCL_BO
SDA_BO
SCL_BP
SDA_BP
SCL_BQ
SDA_BQ
SCL_BR
SDA_BR
SCL_BS
SDA_BS
SCL_BT
SDA_BT
SCL_BU
SDA_BU
SCL_BV
SDA_BV
SCL_BW
SDA_BW
SCL_BX
SDA_BX
SCL_BY
SDA_BY
SCL_BZ
SDA_BZ
SCL_CA
SDA_CA
SCL_CB
SDA_CB
SCL_CC
SDA_CC
SCL_CD
SDA_CD
SCL_CE
SDA_CE
SCL_CF
SDA_CF
SCL_CG
SDA_CG
SCL_CH
SDA_CH
SCL_CI
SDA_CI
SCL_CJ
SDA_CJ
SCL_CK
SDA_CK
SCL_CL
SDA_CL
SCL_CM
SDA_CM
SCL_CN
SDA_CN
SCL_CO
SDA_CO
SCL_CP
SDA_CP
SCL_CQ
SDA_CQ
SCL_CR
SDA_CR
SCL_CS
SDA_CS
SCL_CT
SDA_CT
SCL_CU
SDA_CU
SCL_CV
SDA_CV
SCL_CW
SDA_CW
SCL_CX
SDA_CX
SCL_CY
SDA_CY
SCL_CZ
SDA_CZ
SCL_DA
SDA_DA
SCL_DB
SDA_DB
SCL_DC
SDA_DC
SCL_DD
SDA_DD
SCL_DE
SDA_DE
SCL_DF
SDA_DF
SCL_DG
SDA_DG
SCL_DH
SDA_DH
SCL_DI
SDA_DI
SCL_DJ
SDA_DJ
SCL_DK
SDA_DK
SCL_DL
SDA_DL
SCL_DM
SDA_DM
SCL_DN
SDA_DN
SCL_DO
SDA_DO
SCL_DP
SDA_DP
SCL_DQ
SDA_DQ
SCL_DR
SDA_DR
SCL_DS
SDA_DS
SCL_DT
SDA_DT
SCL_DU
SDA_DU
SCL_DV
SDA_DV
SCL_DW
SDA_DW
SCL_DX
SDA_DX
SCL_DY
SDA_DY
SCL_DZ
SDA_DZ
SCL_EA
SDA_EA
SCL_EB
SDA_EB
SCL_EC
SDA_EC
SCL_ED
SDA_ED
SCL_EE
SDA_EE
SCL_EF
SDA_EF
SCL_EG
SDA_EG
SCL_EH
SDA_EH
SCL_EI
SDA_EI
SCL_EJ
SDA_EJ
SCL_EK
SDA_EK
SCL_EL
SDA_EL
SCL_EM
SDA_EM
SCL_EN
SDA_EN
SCL_EO
SDA_EO
SCL_EP
SDA_EP
SCL_EQ
SDA_EQ
SCL_ER
SDA_ER
SCL_ES
SDA_ES
SCL_ET
SDA_ET
SCL_EU
SDA_EU
SCL_EV
SDA_EV
SCL_EW
SDA_EW
SCL_EX
SDA_EX
SCL_EY
SDA_EY
SCL_EZ
SDA_EZ
SCL_FA
SDA_FA
SCL_FB
SDA_FB
SCL_FC
SDA_FC
SCL_FD
SDA_FD
SCL_FE
SDA_FE
SCL_FF
SDA_FF
SCL_FG
SDA_FG
SCL_FH
SDA_FH
SCL_FI
SDA_FI
SCL_FJ
SDA_FJ
SCL_FK
SDA_FK
SCL_FL
SDA_FL
SCL_FM
SDA_FM
SCL_FN
SDA_FN
SCL_FO
SDA_FO
SCL_FP
SDA_FP
SCL_FQ
SDA_FQ
SCL_FR
SDA_FR
SCL_FS
SDA_FS
SCL_FT
SDA_FT
SCL_FU
SDA_FU
SCL_FV
SDA_FV
SCL_FW
SDA_FW
SCL_FX
SDA_FX
SCL_FY
SDA_FY
SCL_FZ
SDA_FZ
SCL_GA
SDA_GA
SCL_GB
SDA_GB
SCL_GC
SDA_GC
SCL_GD
SDA_GD
SCL_GE
SDA_GE
SCL_GF
SDA_GF
SCL_GG
SDA_GG
SCL_GH
SDA_GH
SCL_GI
SDA_GI
SCL_GJ
SDA_GJ
SCL_GK
SDA_GK
SCL_GL
SDA_GL
SCL_GM
SDA_GM
SCL_GN
SDA_GN
SCL_GO
SDA_GO
SCL_GP
SDA_GP
SCL_GQ
SDA_GQ
SCL_GR
SDA_GR
SCL_GS
SDA_GS
SCL_GT
SDA_GT
SCL_GU
SDA_GU
SCL_GV
SDA_GV
SCL_GW
SDA_GW
SCL_GX
SDA_GX
SCL_GY
SDA_GY
SCL_GZ
SDA_GZ
SCL_HA
SDA_HA
SCL_HB
SDA_HB
SCL_HC
SDA_HC
SCL_HD
SDA_HD
SCL_HE
SDA_HE
SCL_HF
SDA_HF
SCL_HG
SDA_HG
SCL_HH
SDA_HH
SCL_HI
SDA_HI
SCL_HJ
SDA_HJ
SCL_HK
SDA_HK
SCL_HL
SDA_HL
SCL_HM
SDA_HM
SCL_HN
SDA_HN
SCL_HO
SDA_HO
SCL_HP
SDA_HP
SCL_HQ
SDA_HQ
SCL_HR
SDA_HR
SCL_HS
SDA_HS
SCL_HT
SDA_HT
SCL_HU
SDA_HU
SCL_HV
SDA_HV
SCL_HW
SDA_HW
SCL_HX
SDA_HX
SCL_HY
SDA_HY
SCL_HZ
SDA_HZ
SCL_IA
SDA_IA
SCL_IB
SDA_IB
SCL_IC
SDA_IC
SCL_ID
SDA_ID
SCL_IE
SDA_IE
SCL_IF
SDA_IF
SCL_IG
SDA_IG
SCL_IH
SDA_IH
SCL_II
SDA_II
SCL_IJ
SDA_IJ
SCL_IK
SDA_IK
SCL_IL
SDA_IL
SCL_IM
SDA_IM
SCL_IN
SDA_IN
SCL_IO
SDA_IO
SCL_IP
SDA_IP
SCL_IQ
SDA_IQ
SCL_IR
SDA_IR
SCL_IS
SDA_IS
SCL_IT
SDA_IT
SCL_IU
SDA_IU
SCL_IV
SDA_IV
SCL_IW
SDA_IW
SCL_IX
SDA_IX
SCL_IY
SDA_IY
SCL_IZ
SDA_IZ
SCL_JA
SDA_JA
SCL_JB
SDA_JB
SCL_JC
SDA_JC
SCL_JD
SDA_JD
SCL_JE
SDA_JE
SCL_JF
SDA_JF
SCL_JG
SDA_JG
SCL_JH
SDA_JH
SCL_JI
SDA_JI
SCL_JJ
SDA_JJ
SCL_JK
SDA_JK
SCL_JL
SDA_JL
SCL_JM
SDA_JM
SCL_JN
SDA_JN
SCL_JO
SDA_JO
SCL_JP
SDA_JP
SCL_JQ
SDA_JQ
SCL_JR
SDA_JR
SCL_JS
SDA_JS
SCL_JT
SDA_JT
SCL_JU
SDA_JU
SCL_JV
SDA_JV
SCL_JW
SDA_JW
SCL_JX
SDA_JX
SCL_JY
SDA_JY
SCL_JZ
SDA_JZ
SCL_KA
SDA_KA
SCL_KB
SDA_KB
SCL_KC
SDA_KC
SCL_KD
SDA_KD
SCL_KE
SDA_KE
SCL_KF
SDA_KF
SCL_KG
SDA_KG
SCL_KH
SDA_KH
SCL_KI
SDA_KI
SCL_KJ
SDA_KJ
SCL_KK
SDA_KK
SCL_KL
SDA_KL
SCL_KM
SDA_KM
SCL_KN
SDA_KN
SCL_KO
SDA_KO
SCL_KP
SDA_KP
SCL_KQ
SDA_KQ
SCL_KR
SDA_KR
SCL_KS
SDA_KS
SCL_KT
SDA_KT
SCL_KU
SDA_KU
SCL_KV
SDA_KV
SCL_KW
SDA_KW
SCL_KX
SDA_KX
SCL_KY
SDA_KY
SCL_KZ
SDA_KZ
SCL_LA
SDA_LA
SCL_LB
SDA_LB
SCL_LC
SDA_LC
SCL_LD
SDA_LD
SCL_LE
SDA_LE
SCL_LF
SDA_LF
SCL_LG
SDA_LG
SCL_LH
SDA_LH
SCL_LI
SDA_LI
SCL_LJ
SDA_LJ
SCL_LK
SDA_LK
SCL_LL
SDA_LL
SCL_LM
SDA_LM
SCL_LN
SDA_LN
SCL_LO
SDA_LO
SCL_LP
SDA_LP
SCL_LQ
SDA_LQ
SCL_LR
SDA_LR
SCL_LS
SDA_LS
SCL_LT
SDA_LT
SCL_LU
SDA_LU
SCL_LV
SDA_LV
SCL_LW
SDA_LW
SCL_LX
SDA_LX
SCL_LY
SDA_LY
SCL_LZ
SDA_LZ
SCL_MA
SDA_MA
SCL_MB
SDA_MB
SCL_MC
SDA_MC
SCL_MD
SDA_MD
SCL_ME
SDA_ME
SCL_MF
SDA_MF
SCL_MG
SDA_MG
SCL_MH
SDA_MH
SCL_MI
SDA_MI
SCL_MJ
SDA_MJ
SCL_MK
SDA_MK
SCL_ML
SDA_ML
SCL_MM
SDA_MM
SCL_MN
SDA_MN
SCL_MO
SDA_MO
SCL_MP
SDA_MP
SCL_MQ
SDA_MQ
SCL_MR
SDA_MR
SCL_MS
SDA_MS
SCL_MT
SDA_MT
SCL_MU
SDA_MU
SCL_MV
SDA_MV
SCL_MW
SDA_MW
SCL_MX
SDA_MX
SCL_MY
SDA_MY
SCL_MZ
SDA_MZ
SCL_NA
SDA_NA
SCL_NB
SDA_NB
SCL_NC
SDA_NC
SCL_ND
SDA_ND
SCL_NE
SDA_NE
SCL_NF
SDA_NF
SCL_NG
SDA_NG
SCL_NH
SDA_NH
SCL_NI
SDA_NI
SCL_NJ
SDA_NJ
SCL_NK
SDA_NK
SCL_NL
SDA_NL
SCL_NM
SDA_NM
SCL_NN
SDA_NN
SCL_NO
SDA_NO
SCL_NP
SDA_NP
SCL_NQ
SDA_NQ
SCL_NR
SDA_NR
SCL_NS
SDA_NS
SCL_NT
SDA_NT
SCL_NU
SDA_NU
SCL_NV
SDA_NV
SCL_NW
SDA_NW
SCL_NX
SDA_NX
SCL_NY
SDA_NY
SCL_NZ
SDA_NZ
SCL_OA
SDA_OA
SCL_OB
SDA_OB
SCL_OC
SDA_OC
SCL_OD
SDA_OD
SCL_OE
SDA_OE
SCL_OF
SDA_OF
SCL_OG
SDA_OG
SCL_OH
SDA_OH
SCL_OI
SDA_OI
SCL_OJ
SDA_OJ
SCL_OK
SDA_OK
SCL_OL
SDA_OL
SCL_OM
SDA_OM
SCL_ON
SDA_ON
SCL_OO
SDA_OO
SCL_OP
SDA_OP
SCL_OQ
SDA_OQ
SCL_OR
SDA_OR
SCL_OS
SDA_OS
SCL_OT
SDA_OT
SCL_OU
SDA_OU
SCL_OV
SDA_OV
SCL_OW
SDA_OW
SCL_OX
SDA_OX
SCL_OY
SDA_OY
SCL_OZ
SDA_OZ
SCL_PA
SDA_PA
SCL_PB
SDA_PB
SCL_PC
SDA_PC
SCL_PD
SDA_PD
SCL_PE
SDA_PE
SCL_PF
SDA_PF
SCL_PG
SDA_PG
SCL_PH
SDA_PH
SCL_PI
SDA_PI
SCL_PJ
SDA_PJ
SCL_PK
SDA_PK
SCL_PL
SDA_PL
SCL_PM
SDA_PM
SCL_PN
SDA_PN
SCL_PO
SDA_PO
SCL_PP
SDA_PP
SCL_PQ
SDA_PQ
SCL_PR
SDA_PR
SCL_PS
SDA_PS
SCL_PT
SDA_PT
SCL_PU
SDA_PU
SCL_PV
SDA_PV
SCL_PW
SDA_PW
SCL_PX
SDA_PX
SCL_PY
SDA_PY
SCL_PZ
SDA_PZ
SCL_QA
SDA_QA
SCL_QB
SDA_QB
SCL_QC
SDA_QC
SCL_QD
SDA_QD
SCL_QE
SDA_QE
SCL_QF
SDA_QF
SCL_QG
SDA_QG
SCL_QH
SDA_QH
SCL_QI
SDA_QI
SCL_QJ
SDA_QJ
SCL_QK
SDA_QK
SCL_QL
SDA_QL
SCL_QM
SDA_QM
SCL_QN
SDA_QN
SCL_QO
SDA_QO
SCL_QP
SDA_QP
SCL_QQ
SDA_QQ
SCL_QR
SDA_QR
SCL_QS
SDA_QS
SCL_QT
SDA_QT
SCL_QU
SDA_QU
SCL_QV
SDA_QV
SCL_QW
SDA_QW
SCL_QX
SDA_QX
SCL_QY
SDA_QY
SCL_QZ
SDA_QZ
SCL_RA
SDA_RA
SCL_RB
SDA_RB
SCL_RC
SDA_RC
SCL_RD
SDA_RD
SCL_RE
SDA_RE
SCL_RF
SDA_RF
SCL_RG
SDA_RG
SCL_RH
SDA_RH
SCL_RI
SDA_RI
SCL_RJ
SDA_RJ
SCL_RK
SDA_RK
SCL_RL
SDA_RL
SCL_RM
SDA_RM
SCL_RN
SDA_RN
SCL_RO
SDA_RO
SCL_RP
SDA_RP
SCL_RQ
SDA_RQ
SCL_RR
SDA_RR
SCL_RS
SDA_RS
SCL_RT
SDA_RT
SCL_RU
SDA_RU
SCL_RV
SDA_RV
SCL_RW
SDA_RW
SCL_RX
SDA_RX
SCL_RY
SDA_RY
SCL_RZ
SDA_RZ
SCL_SA
SDA_SA
SCL_SB
SDA_SB
SCL_SC
SDA_SC
SCL_SD
SDA_SD
SCL_SE
SDA_SE
SCL_SF
SDA_SF
SCL_SG
SDA_SG
SCL_SH
SDA_SH
SCL_SI
SDA_SI
SCL_SJ
SDA_SJ
SCL_SK
SDA_SK
SCL_SL
SDA_SL
SCL_SM
SDA_SM
SCL_SN
SDA_SN
SCL_SO
SDA_SO
SCL_SP
SDA_SP
SCL_SQ
SDA_SQ
SCL_SR
SDA_SR
SCL_SS
SDA_SS
SCL_ST
SDA_ST
SCL_SU
SDA_SU
SCL_SV
SDA_SV
SCL_SW
SDA_SW
SCL_SX
SDA_SX
SCL_SY
SDA_SY
SCL_SZ
SDA_SZ
SCL_TA
SDA_TA
SCL_TB
SDA_TB
SCL_TC
SDA_TC
SCL_TD
SDA_TD
SCL_TE
SDA_TE
SCL_TF
SDA_TF
SCL_TG
SDA_TG
SCL_TH
SDA_TH
SCL_TI
SDA_TI
SCL_TJ
SDA_TJ
SCL_TK
SDA_TK
SCL_TL
SDA_TL
SCL_TM
SDA_TM
SCL_TN
SDA_TN
SCL_TO
SDA_TO
SCL_TP
SDA_TP
SCL_TQ
SDA_TQ
SCL_TR
SDA_TR
SCL_TS
SDA_TS
SCL_TT
SDA_TT
SCL_TU
SDA_TU
SCL_TV
SDA_TV
SCL_TW
SDA_TW
SCL_TX
SDA_TX
SCL_TY
SDA_TY
SCL_TZ
SDA_TZ
SCL_UA
SDA_UA
SCL_UB
SDA_UB
SCL_UC
SDA_UC
SCL_UD
SDA_UD
SCL_UE
SDA_UE
SCL_UF
SDA_UF
SCL_UG
SDA_UG
SCL_UH
SDA_UH
SCL_UI
SDA_UI
SCL_UJ
SDA_UJ
SCL_UK
SDA_UK
SCL_UL
SDA_UL
SCL_UM
SDA_UM
SCL_UN
SDA_UN
SCL_UO
SDA_UO
SCL_UP
SDA_UP
SCL_UQ
SDA_UQ
SCL_UR
SDA_UR
SCL_US
SDA_US
SCL_UT
SDA_UT
SCL_UU
SDA_UU
SCL_UV
SDA_UV
SCL_UW
SDA_UW
SCL_UX
SDA_UX
SCL_UY
SDA_UY
SCL_UZ
SDA_UZ
SCL_VA
SDA_VA
SCL_VB
SDA_VB
SCL_VC
SDA_VC
SCL_VD
SDA_VD
SCL_VE
SDA_VE
SCL_VF
SDA_VF
SCL_VG
SDA_VG
SCL_VH
SDA_VH
SCL_VI
SDA_VI
SCL_VJ
SDA_VJ
SCL_VK
SDA_VK
SCL_VL
SDA_VL
SCL_VM
SDA_VM
SCL_VN
SDA_VN
SCL_VO
SDA_VO
SCL_VP
SDA_VP
SCL_VQ
SDA_VQ
SCL_VR
SDA_VR
SCL_VS
SDA_VS
SCL_VT
SDA_VT
SCL_VU
SDA_VU
SCL_VV
SDA_VV
SCL_VW
SDA_VW
SCL_VX
SDA_VX
SCL_VY
SDA_VY
SCL_VZ
SDA_VZ
SCL_WA
SDA_WA
SCL_WB
SDA_WB
SCL_WC
SDA_WC
SCL_WD
SDA_WD
SCL_WE
SDA_WE
SCL_WF
SDA_WF
SCL_WG
SDA_WG
SCL_WH
SDA_WH
SCL_WI
SDA_WI
SCL_WJ
SDA_WJ
SCL_WK
SDA_WK
SCL_WL
SDA_WL
SCL_WM
SDA_WM
SCL_WN
SDA_WN
SCL_WO
SDA_WO
SCL_WP
SDA_WP
SCL_WQ
SDA_WQ
SCL_WR
SDA_WR
SCL_WS
SDA_WS
SCL_WT
SDA_WT
SCL_WU
SDA_WU
SCL_WV
SDA_WV
SCL_WW
SDA_WW
SCL_WX
SDA_WX
SCL_WY
SDA_WY
SCL_WZ
SDA_WZ
SCL_XA
SDA_XA
SCL_XB
SDA_XB
SCL_XC
SDA_XC
SCL_XD
SDA_XD
SCL_XE
SDA_XE
SCL_XF
SDA_XF
SCL_XG
SDA_XG
SCL_XH
SDA_XH
SCL_XI
SDA_XI
SCL_XJ
SDA_XJ
SCL_XK
SDA_XK
SCL_XL
SDA_XL
SCL_XM
SDA_XM
SCL_XN
SDA_XN
SCL_XO
SDA_XO
SCL_XP
SDA_XP
SCL_XQ
SDA_XQ
SCL_XR
SDA_XR
SCL_XS
SDA_XS
SCL_XT
SDA_XT
SCL_XU
SDA_XU
SCL_XV
SDA_XV
SCL_XW
SDA_XW
SCL_XX
SDA_XX
SCL_XY
SDA_XY
SCL_XZ
SDA_XZ
SCL_YA
SDA_YA
SCL_YB
SDA_YB
SCL_YC
SDA_YC
SCL_YD
SDA_YD
SCL_YE
SDA_YE
SCL_YF
SDA_YF
SCL_YG
SDA_YG
SCL_YH
SDA_YH
SCL_YI
SDA_YI
SCL_YJ
SDA_YJ
SCL_YK
SDA_YK
SCL_YL
SDA_YL
SCL_YM
SDA_YM
SCL_YN
SDA_YN
SCL_YO
SDA_YO
SCL_YP
SDA_YP
SCL_YQ
SDA_YQ
SCL_YR
SDA_YR
SCL_YS
SDA_YS
SCL_YT
SDA_YT
SCL_YU
SDA_YU
SCL_YV
SDA_YV
SCL_YW
SDA_YW
SCL_YX
SDA_YX
SCL_YY
SDA_YY
SCL_YZ
SDA_YZ
SCL_ZA
SDA_ZA
SCL_ZB
SDA_ZB
SCL_ZC
SDA_ZC
SCL_ZD
SDA_ZD
SCL_ZE
SDA_ZE
SCL_ZF
SDA_ZF
SCL_ZG
SDA_ZG
SCL_ZH
SDA_ZH
SCL_ZI
SDA_ZI
SCL_ZJ
SDA_ZJ
SCL_ZK
SDA_ZK
SCL_ZL
SDA_ZL
SCL_ZM
SDA_ZM
SCL_ZN
SDA_ZN
SCL_ZO
SDA_ZO
SCL_ZP
SDA_ZP
SCL_ZQ
SDA_ZQ
SCL_ZR
SDA_ZR
SCL_ZS
SDA_ZS
SCL_ZT
SDA_ZT
SCL_ZU
SDA_ZU
SCL_ZV
SDA_ZV
SCL_ZW
SDA_ZW
SCL_ZX
SDA_ZX
SCL_ZY
SDA_ZY
SCL_ZZ
SDA_ZZ
SCL_AAA
SDA_AAA
SCL_AAB
SDA_AAB
SCL_AAC
SDA_AAC
SCL_AAD
SDA_AAD
SCL_AAE
SDA_AAE
SCL_AAF
SDA_AAF
SCL_AAG
SDA_AAG
SCL_AAH
SDA_AAH
SCL_AAI
SDA_AAI
SCL_AAJ
SDA_AAJ
SCL_AAK
SDA_AAK
SCL_AAL
SDA_AAL
SCL_AAM
SDA_AAM
SCL_AAN
SDA_AAN
SCL_AAO
SDA_AAO
SCL_AAP
SDA_AAP
SCL_AAQ
SDA_AAQ
SCL_AAR
SDA_AAR
SCL_AAS
SDA_AAS
SCL_AAT
SDA_AAT
SCL_AAU
SDA_AAU
SCL_AAV
SDA_AAV
SCL_AAW
SDA_AAW
SCL_AAX
SDA_AAX
SCL_AAY
SDA_AAY
SCL_AAZ
SDA_AAZ
SCL_ABA
SDA_ABA
SCL_ABB
SDA_ABB
SCL_ABC
SDA_ABC
SCL_ABD
SDA_ABD
SCL_ABE
SDA_ABE
SCL_ABF
SDA_ABF
SCL_ABG
SDA_ABG
SCL_ABH
SDA_ABH
SCL_ABI
SDA_ABI
SCL_ABJ
SDA_ABJ
SCL_ABK
SDA_ABK
SCL_ABL
SDA_ABL
SCL_ABM
SDA_ABM
SCL_ABN
SDA_ABN
SCL_ABO
SDA_ABO
SCL_ABP
SDA_ABP
SCL_ABQ
SDA_ABQ
SCL_ABR
SDA_ABR
SCL_ABS
SDA_ABS
SCL_ABT
SDA_ABT
SCL_ABU
SDA_ABU
SCL_ABV
SDA_ABV
SCL_ABW
SDA_ABW
SCL_ABX
SDA_ABX
SCL_ABY
SDA_ABY
SCL_ABZ
SDA_ABZ
SCL_ACA
SDA_ACA
SCL_ACB
SDA_ACB
SCL_ACC
SDA_ACC
SCL_ACD
SDA_ACD
SCL_ACE
SDA_ACE
SCL_ACF
SDA_ACF
SCL_ACG
SDA_ACG
SCL_ACH
SDA_ACH
SCL_ACI
SDA_ACI
SCL_ACJ
SDA_ACJ
SCL_ACK
SDA_ACK
SCL_ACL
SDA_ACL
SCL_ACM
SDA_ACM
SCL_ACN
SDA_ACN
SCL_ACO
SDA_ACO
SCL_ACP
SDA_ACP
SCL_ACQ
SDA_ACQ
SCL_ACR
SDA_ACR
SCL_ACS
SDA_ACS
SCL_ACT
SDA_ACT
SCL_ACU
SDA_ACU
SCL_ACV
SDA_ACV
SCL_ACW
SDA_ACW
SCL_ACX
SDA_ACX
SCL_ACY
SDA_ACY
SCL_ACZ
SDA_ACZ
SCL_ADA
SDA_ADA
SCL_ADB
SDA_ADB
SCL_ADC
SDA_ADC
SCL_ADD
SDA_ADD
SCL_ADE
SDA_ADE
SCL_ADF
SDA_ADF
SCL_ADG
SDA_ADG
SCL_ADH
SDA_ADH
SCL_ADI
SDA_ADI
SCL_ADJ
SDA_ADJ
SCL_ADK
SDA_ADK
SCL_ADL
SDA_ADL
SCL_ADM
SDA_ADM
SCL_ADN
SDA_ADN
SCL_ADO
SDA_ADO
SCL_ADP
SDA_ADP
SCL_ADQ
SDA_ADQ
SCL_ADR
SDA_ADR
SCL_ADS
SDA_ADS
SCL_ADT
SDA_ADT
SCL_ADU
SDA_ADU
SCL_ADV
SDA_ADV
SCL_ADW
SDA_ADW
SCL_ADX
SDA_ADX
SCL_ADY
SDA_ADY
SCL_ADZ
SDA_ADZ
SCL_AEA
SDA_AEA
SCL_AEB
SDA_AEB
SCL_AEC
SDA_AEC
SCL_AED
SDA_AED
SCL_AEE
SDA_AEE
SCL_AEF
SDA_AEF
SCL_AEG
SDA_AEG
SCL_AEH
SDA_AEH
SCL_AEI
SDA_AEI
SCL_AEJ
SDA_AEJ
SCL_AEK
SDA_AEK
SCL_AEL
SDA_AEL
SCL_AEM
SDA_AEM
SCL_AEN
SDA_AEN
SCL_AEO
SDA_AEO
SCL_AEP
SDA_AEP
SCL_AEQ
SDA_AEQ
SCL_AER
SDA_AER
SCL_AES
SDA_AES
SCL_AET
SDA_AET
SCL_AEU
SDA_AEU
SCL_AEV
SDA_AEV
SCL_AEW
SDA_AEW
SCL_AEX
SDA_AEX
SCL_AEY
SDA_AEY
SCL_AEZ
SDA_AEZ
SCL_AFA
SDA_AFA
SCL_AFB
SDA_AFB
SCL_AFC
SDA_AFC
SCL_AFD
SDA_AFD
SCL_AFE
SDA_AFE
SCL_AFF
SDA_AFF
SCL_AFG
SDA_AFG
SCL_AFH
SDA_AFH
SCL_AFI
SDA_AFI
SCL_AFJ
SDA_AFJ
SCL_AFK
SDA_AFK
SCL_AFL
SDA_AFL
SCL_AFM
SDA_AFM
SCL_AFN
SDA_AFN
SCL_AFO
SDA_AFO
SCL_AFP
SDA_AFP
SCL_AFQ
SDA_AFQ
SCL_AFR
SDA_AFR
SCL_AFS
SDA_AFS
SCL_AFT
SDA_AFT
SCL_AFU
SDA_AFU
SCL_AFV
SDA_AFV
SCL_AFW
SDA_AFW
SCL_AFX
SDA_AFX
SCL_AFY
SDA_AFY
SCL_AFZ
SDA_AFZ
SCL_AGA
SDA_AGA
SCL_AGB
SDA_AGB
SCL_AGC
SDA_AGC
SCL_AGD
SDA_AGD
SCL_AGE
SDA_AGE
SCL_AGF
SDA_AGF
SCL_AGG
SDA_AGG
SCL_AGH
SDA_AGH
SCL_AGI
SDA_AGI
SCL_AGJ
SDA_AGJ
SCL_AGK
SDA_AGK
SCL_AGL
SDA_AGL
SCL_AGM
SDA_AGM
SCL_AGN
SDA_AGN
SCL_AGO
SDA_AGO
SCL_AGP
SDA_AGP
SCL_AGQ
SDA_AGQ
SCL_AGR
SDA_AGR
SCL_AGS
SDA_AGS
SCL_AGT
SDA_AGT
SCL_AGU
SDA_AGU
SCL_AGV
SDA_AGV
SCL_AGW
SDA_AGW
SCL_AGX
SDA_AGX
SCL_AGY
SDA_AGY
SCL_AGZ
SDA_AGZ
SCL_AHA
SDA_AHA
SCL_AHB
SDA_AHB
SCL_AHC
SDA_AHC
SCL_AHD
SDA_AHD
SCL_AHE
SDA_AHE
SCL_AHF
SDA_AHF
SCL_AHG
SDA_AHG
SCL_AHH
SDA_AHH
SCL_AHI
SDA_AHI
SCL_AHJ
SDA_AHJ
SCL_AHK
SDA_AHK
SCL_AHL
SDA_AHL
SCL_AHM
SDA_AHM
SCL_AHN
SDA_AHN
SCL_AHO
SDA_AHO
SCL_AHP
SDA_AHP
SCL_AHQ
SDA_AHQ
SCL_AHR
SDA_AHR
SCL_AHS
SDA_AHS
SCL_AHT
SDA_AHT
SCL_AHU
SDA_AHU
SCL_AHV
SDA_AHV
SCL_AHW
SDA_AHW
SCL_AHX
SDA_AHX
SCL_AHY
SDA_AHY
SCL_AHZ
SDA_AHZ
SCL_AIA
SDA_AIA
SCL_AIB
SDA_AIB
SCL_AIC
SDA_AIC
SCL_AID
SDA_AID
SCL_AIE
SDA_AIE
SCL_AIF
SDA_AIF
SCL_AIG
SDA_AIG
SCL_AIH
SDA_AIH
SCL_AII
SDA_AII
SCL_AIJ
SDA_AIJ
SCL_AIK
SDA_AIK
SCL_AIL
SDA_AIL
SCL_AIM
SDA_AIM
SCL_AIN
SDA_AIN
SCL_AIO
SDA_AIO
SCL_AIP
SDA_AIP
SCL_AIQ
SDA_AIQ
SCL_AIR
SDA_AIR
SCL_AIS
SDA_AIS
SCL_AIT
SDA_AIT
SCL_AIU
SDA_AIU
SCL_AIV
SDA_AIV
SCL_AIW
SDA_AIW
SCL_AIX
SDA_AIX
SCL_AIY
SDA_AIY
SCL_AIZ
SDA_AIZ
SCL_AJA
SDA_AJA
SCL_AJB
SDA_AJB
SCL_AJC
SDA_AJC
SCL_AJD
SDA_AJD
SCL_AJE
SDA_AJE
SCL_AJF
SDA_AJF
SCL_AJG
SDA_AJG
SCL_AJH
SDA_AJH
SCL_AJI
SDA_AJI
SCL_AJJ
SDA_AJJ
SCL_AJK
SDA_AJK
SCL_AJL
SDA_AJL
SCL_AJM
SDA_AJM
SCL_AJN
SDA_AJN
SCL_AJO
SDA_AJO
SCL_AJP
SDA_AJP
SCL_AJQ
SDA_AJQ
SCL_AJR
SDA_AJR
SCL_AJS
SDA_AJS
SCL_AJT
SDA_AJT
SCL_AJU
SDA_AJU
SCL_AJV
SDA_AJV
SCL_AJW
SDA_AJW
SCL_AJX
SDA_AJX
SCL_AJY
SDA_AJY
SCL_AJZ
SDA_AJZ
SCL_AKA
SDA_AKA
SCL_AKB
SDA_AKB
SCL_AKC
SDA_AKC
SCL_AKD
SDA_AKD
SCL_AKE
SDA_AKE
SCL_AKF
SDA_AKF
SCL_AKG
SDA_AKG
SCL_AKH
SDA_AKH
SCL_AKI
SDA_AKI
SCL_AKJ
SDA_AKJ
SCL_AKK
SDA_AKK
SCL_AKL
SDA_AKL
SCL_AKM
SDA_AKM
SCL_AKN
SDA_AKN
SCL_AKO
SDA_AKO
SCL_AKP
SDA_AKP
SCL_AKQ
SDA_AKQ
SCL_AKR
SDA_AKR
SCL_AKS
SDA_AKS
SCL_AKT
SDA_AKT
SCL_AKU
SDA_AKU
SCL_AKV
SDA_AKV
SCL_AKW
SDA_AKW
SCL_AKX
SDA_AKX
SCL_AKY
SDA_AKY
SCL_AKZ
SDA_AKZ
SCL_ALA
SDA_ALA
SCL_ALB
SDA_ALB
SCL_ALC
SDA_ALC
SCL_ALD
SDA_ALD
SCL_ALE
SDA_ALE
SCL_ALF
SDA_ALF
SCL_ALG
SDA_ALG
SCL_ALH
SDA_ALH
SCL_ALI
SDA_ALI
SCL_ALJ
SDA_ALJ
SCL_ALK
SDA_ALK
SCL_ALL
SDA_ALL
SCL_ALM
SDA_ALM
SCL_ALN
SDA_ALN
SCL_ALO
SDA_ALO
SCL_ALP
SDA_ALP
SCL_ALQ
SDA_ALQ
SCL_ALR
SDA_ALR
SCL_ALS
SDA_ALS
SCL_ALT
SDA_ALT
SCL_ALU
SDA_ALU
SCL_ALV
SDA_ALV
SCL_ALW
SDA_ALW
SCL_ALX
SDA_ALX
SCL_ALY
SDA_ALY
SCL_ALZ
SDA_ALZ
SCL_AMA
SDA_AMA
SCL_AMB
SDA_AMB
SCL_AMC
SDA_AMC
SCL_AMD
SDA_AMD
SCL_AME
SDA_AME
SCL_AMF
SDA_AMF
SCL_AMG
SDA_AMG
SCL_AMH
SDA_AMH
SCL_AMI
SDA_AMI
SCL_AMJ
SDA_AMJ
SCL_AMK
SDA_AMK
SCL_AML
SDA_AML
SCL_AMM
SDA_AMM
SCL_AMN
SDA_AMN
SCL_AMO
SDA_AMO
SCL_AMP
SDA_AMP
SCL_AMQ
SDA_AMQ
SCL_AMR
SDA_AMR
SCL_AMS
SDA_AMS
SCL_AMT
SDA_AMT
SCL_AMU
SDA_AMU
SCL_AMV
SDA_AMV
SCL_AMW
SDA_AMW
SCL_AMX
SDA_AMX
SCL_AMY
SDA_AMY
SCL_AMZ
SDA_AMZ
SCL_ANA
SDA_ANA
SCL_ANB
SDA_ANB
SCL_ANC
SDA_ANC
SCL_AND
SDA_AND
SCL_ANE
SDA_ANE
SCL_ANF
SDA_ANF
SCL_ANG
SDA_ANG
SCL_ANH
SDA_ANH
SCL_ANI
SDA_ANI
SCL_ANJ
SDA_ANJ
SCL_ANK
SDA_ANK
SCL_ANL
SDA_ANL
SCL_

A BOARD SCHEMATIC DIAGRAM (10 OF 15)



1-857-031-11 <RX1> A-P10

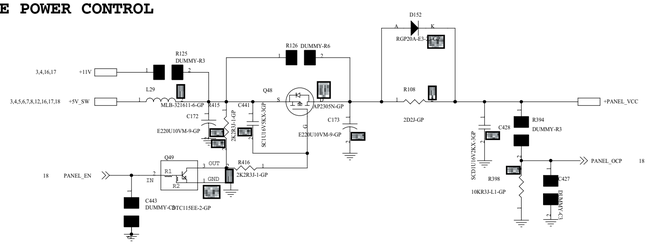
A BOARD SCHEMATIC DIAGRAM (11 OF 15)



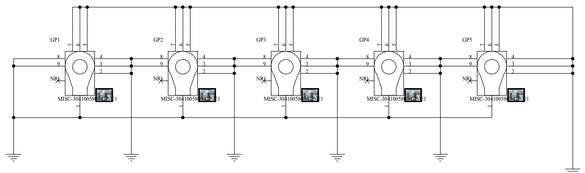
1-857-031-11 <RX1> A-P1

A BOARD SCHEMATIC DIAGRAM (12 OF 15)

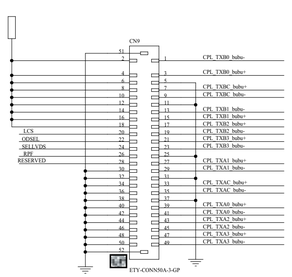
LVDS MODULE POWER CONTROL

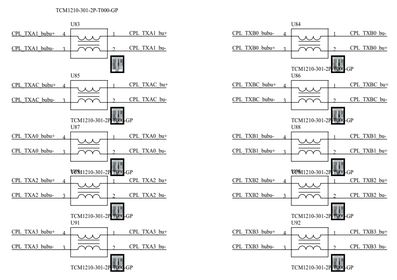


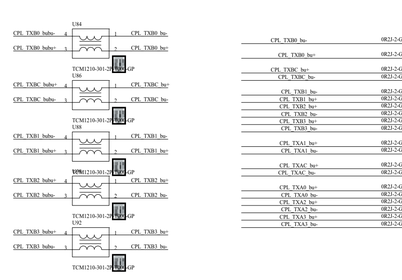
Screw Hole

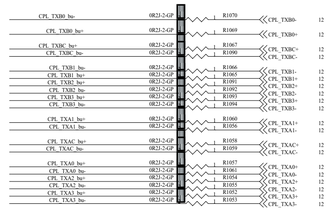


LVDS INTERFACE



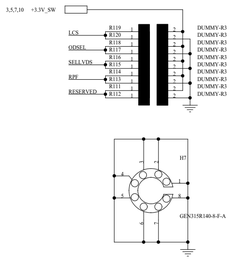




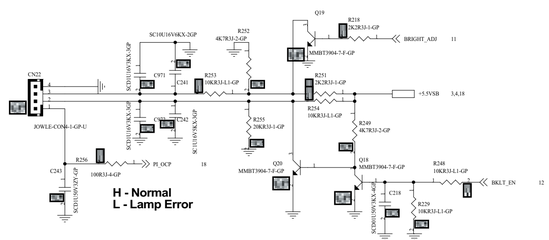


PANEL SETTING

PANEL	MODEL	LCS	ODSEL	SELLVDS	RPF	RESERVED
CMO	V260B1-L01 Ver2.0	NC	NC	H	NC	NC
CMO	V315B1-L01 Ver2.1	NC	L/NC	H/NC	L/NC	NC
AUO	T260XW02 Ver6	NC	NC	H/NC	NC	NC
AUO	T315XW02 Ver1	NC	NC	H/NC	L/NC	NC
AUO	T370XW02 Ver5	NC	NC	L/NC	NC	NC
AUO	T315XW02 VerC	NC	NC	H/NC	NC	NC



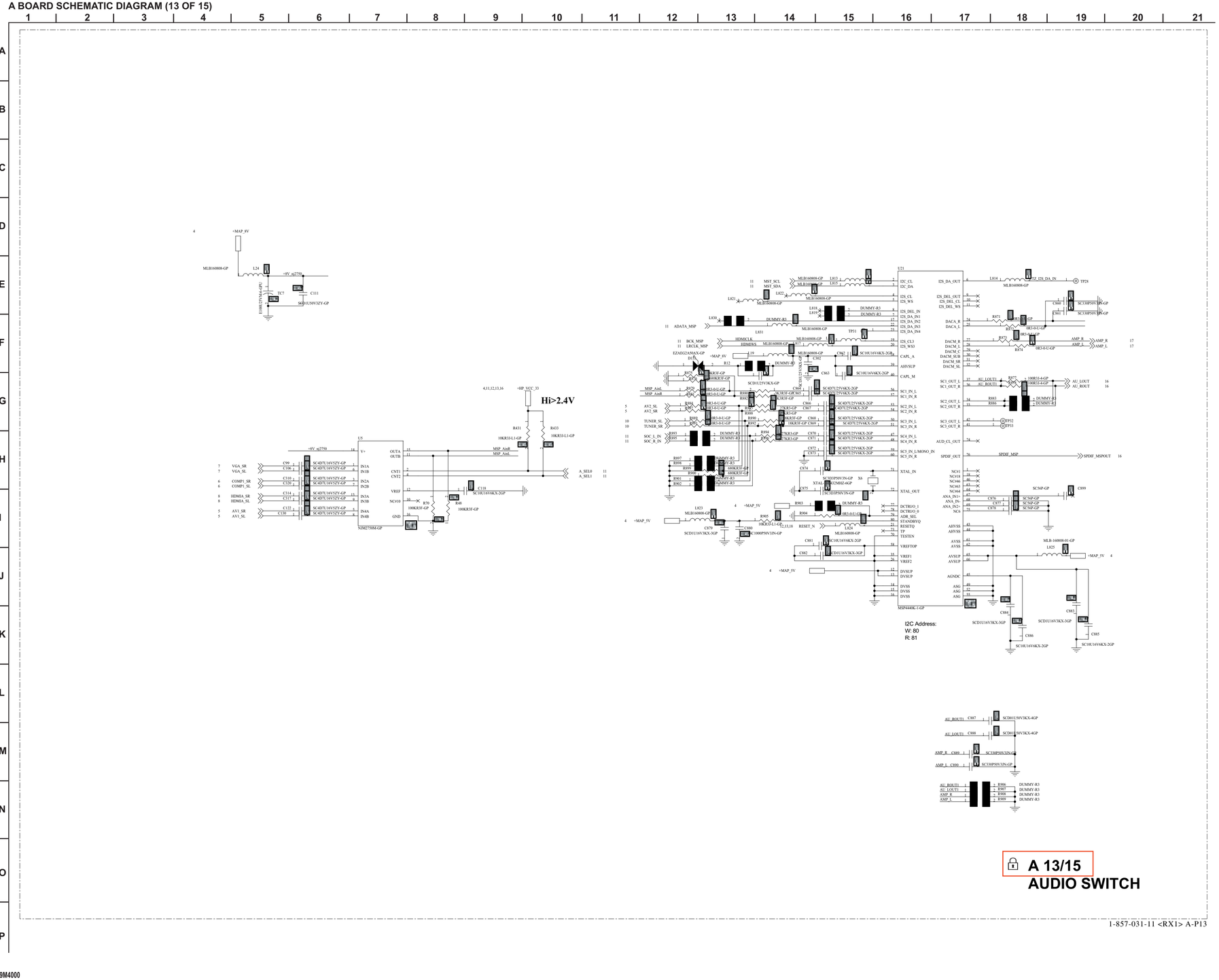
BACKLIGHT CONTROL



A 12/15

PANEL INTERFACE

A BOARD SCHEMATIC DIAGRAM (13 OF 15)

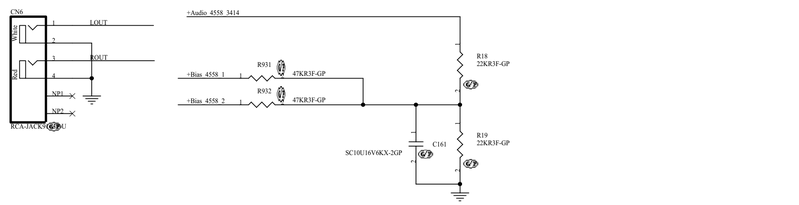


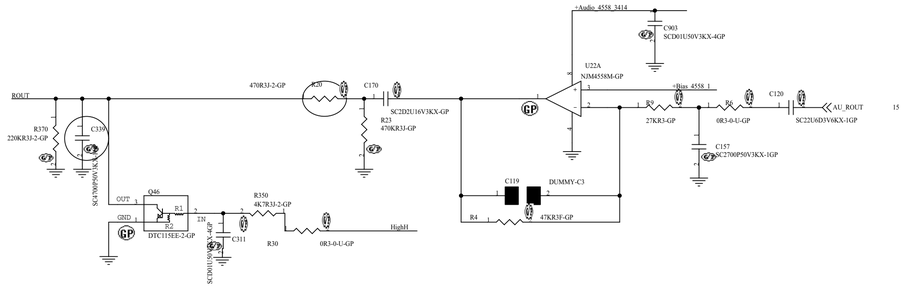
A 13/15
AUDIO SWITCH

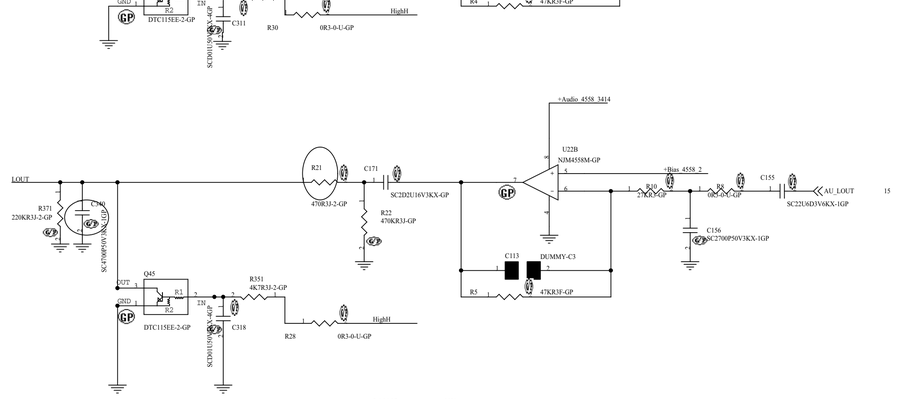
1-857-031-11 <RX1> A-P13

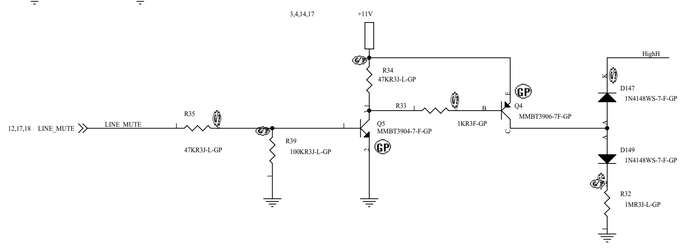
A BOARD SCHEMATIC DIAGRAM (14 OF 15)

AUDIO OUTPUT Connector & MUTE CONTROL

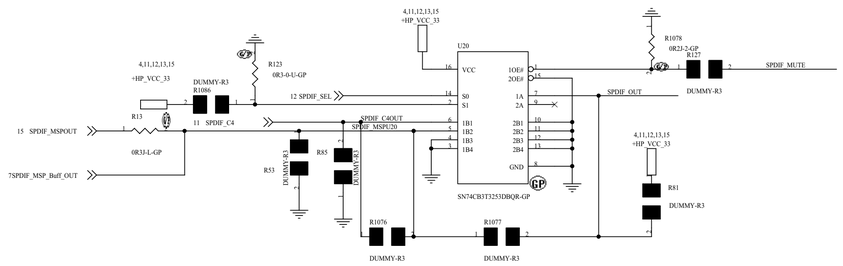


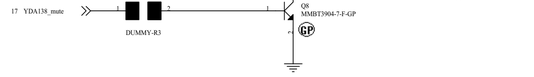


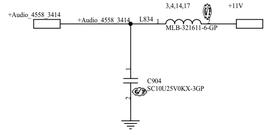


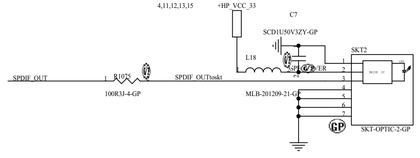


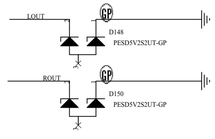
SPDIF/TosLink connector











A 14/15

AUDIO EARPHONE/LINE OUT

1-857-031-11 <RX1> A-P14

A BOARD SCHEMATIC DIAGRAM (15 OF 15)

KEYPAD

KeyPad connector

CN28

JW1-CON6-1-GP

POWER_Key

ADC_IN2

ADC_IN1

+3V_SB 4,8,12

C235 SC100/16V6KX-2GP

C225 SCD1U50V3ZY-GP

C228 SCD1U50V3ZY-GP

C227 SCD1U50V1ZY-GP

R247 10KR3J-L1-GP

R246 10KR3J-L1-GP

IR&LED

CN27

JOWLE-CONT-1-GP

LED_GREEN_POWER

LED_RED(STANDBY)

IR

+5Vdc IRpower

MLB-201209-21-GP

R490 1KR3F-GP

R491 1KR3-GP

R493 1KR3-GP

R31 DUMMY-R3

R473 0R3-0-U-GP

R45 0R3-0-U-GP

R219 0R3-0-U-GP

R494 10R3J-3-GP

Q24 MMBT3906-7F-GP

Q23 MMBT3906-7F-GP

Q21 MMBT3906-7F-GP

R222 10KR3J-L1-GP

R221 0R3-0-U-GP

+3V_SB 4,8,12

LED_GREEN_POWER

LED_RED(STANDBY)

LED_Amber(SLEEP)

R56

R60 0R3-0-U-GP

L48

DUMMY-R3

IR_DET

C479 C480 C482 C231 C237 C478 C483 SC100/50V3JN-2GP

SCD1U50V3ZY-GP

SC001/10V6AX3GP

SCD1U50V1ZY-GP

FROM TV KEYPAD

ESD protection

D72 BAV99-7-F-GP

D31 BAV99-7-F-GP

D33 BAV99-7-F-GP

D32 BAV99-7-F-GP

IR

POWER_Key

ADC_IN1

ADC_IN2

+3.3V_ESD 5,6,7

Dual key press ISP/MODE pin toggle

U69 SNLVC1G08DBVR-GP

ADC_IN2

ADC_IN1

R46 1KR3F-GP

R1 1CR3F-GP

R47 1KR3F-GP

Q11 CH3904PT-GP

MODE_MCU

MCU

SW1 SW-TACT-110-GP

R240 0R22-2-GP

RESET_N

For Debug & ISP

Power_On_MCU

R496 10KR3J-L1-GP

Q57 CH3904PT-GP

C475 DUMMY-C3

POWER_ON 3

+5.5VSB 3,4,14

R489 4K7R3J-2-GP

3,4,5,6,7,8,12,14,16,17 +5V_SW

D50 1N4148WS-7-F-GP

R447 10KR3J-L1-GP

Q50 MMBT3906-7F-GP

C203 SE100U16VM-13GP

AC_OFF

R441 100KR3J-L-GP

R500 DUMMY-R3

R502 DUMMY-R3

R501 DUMMY-R3

R503 DUMMY-R3

R504 DUMMY-R3

R505 DUMMY-R3

R507 10KR3J-L1-GP

R506 10KR3J-L1-GP

R190 100R3J-4-GP

POWER_Key

VOLT_DROP_DET 3,4

100R3J-4-GP

Q51 CH3904PT-GP

EEPROM_WP 7,8

R187 12

RXD1_MCU 12

TXD1_MCU 12

R99 DUMMY-R3

AC_DET

P_PANEL_EN

+5V_EN

1V_EN

1.8V_EN

3V_EN

PWR_INT

AC_DET 3

PANEL_OCP 14

U17

TP18 TP-2

TP16 TP-2

ADC_IN1 R191 100R3J-4-GP KEY1

ADC_IN2 R192 100R3J-4-GP KEY2

LCD_ON R365 100R3J-4-GP LCD_ON_MCU

AC_OFF R196 100R3J-4-GP

RESET_N R200 10KR3J-L1-GP

12,13,15 RESET_N

Power_On_MCU

R508 10KR3J-L1-GP

LED_GREEN_POWER

12 JTAG_DET

RN11 SRN4K7J-12-GP

R966 10KR3J-L1-GP

R592125SSNFPGP-2

TP20 TP-2

4,8,12 +3V_SB

R230 100R3J-4-GP

ISP_SCL

ISP_SCL 7

C464 C0H1U50V3JN-GP

TC10

4 VOLT_SHORT_DET

C466 100U/10VM-2-GP ISP_SDA

ISP_SDA 7

R231 100R3J-4-GP

12 MODE_MCU

R970 10KR3J-L1-GP

17 AMP_MUTE_SUB

R233 100R3J-4-GP

12,16,17 LINE_MUTE

D135 1N4148WS-7-F-GP

RN14 SRN4K7J-12-GP

MODE_MCU

4,8,12 +3V_SB

RESET_MCU

R52 4K7R3J-2-GP

4,8,12 +3V_SB

U70 XC6108C30AMRN-GP

R49 DUMMY-R3

R84 DUMMY-R3

R69 DUMMY-R3

RESET_MCU

C22 C16 C27 C28 C477 SC10U16V6KX-2GP

U17 NC/39 AN0 P6_3 P6_4 CLKX KIN P3_1 KIN0 P1_1 P1_2 RXD1 TXD1 INT0#

NC/40 AN1 AN2 IRQ0 VREF P6_0 P6_1 P0_3 P0_2 P0_1 P0_0 P3_7 SCS1 SCL P1_3 SDA MODE P4_4 RESET# XOUT VSS/AVSS XIN VCC/AVCC P2_7

NC/26 P1_3 TXD0 RXD0 CLKI0 TRAIO/INT1# P2_0 P2_1 P2_2 P2_3 P2_4 P2_5 P2_6

R201 10KR3J-L1-GP

R199 10KR3J-L1-GP

3V_SB 4,8,12

Master Is MCU

MCU_TXD 11

MCU_RXD 11

R1089 100R3J-4-GP

IR_DET_MCU

100R3J-4-GP IR206 IR_DET

SPDIF_MUTE

VGA_DET

R993 100R3J-4-GP

HDMI_CEC_3 8

FL_OCP

TP45 TP-2

R214 100R3J-4-GP

R215 100R3J-4-GP

R217 100R3J-4-GP

HSto MCU

VSto MCU

LED_Amber(SLEEP)

R239 100R3J-4-GP

LED_RED(STANDBY)

R967 DUMMY-R3

R969 DUMMY-R3

+3V_SB

RN13 SRN4K7J-12-GP

R39 1KR3F-GP

RES

4,8,12 +3V_SB

4,8,12

XOUT_MCU

XIN_MCU

R238 1MR3J-L-GP

X5 XTAL-16MHz-GP

C219 SC22P50V3JN-GP

C220 SC22P50V3JN-GP

HSto MCU

Q9 MMBT3904-7-F-GP

R11

HS

R268 2K2R3J-1-GP

2K2R3J-1-GP

VSto MCU

Q33 MMBT3904-7-F-GP

R27

VS

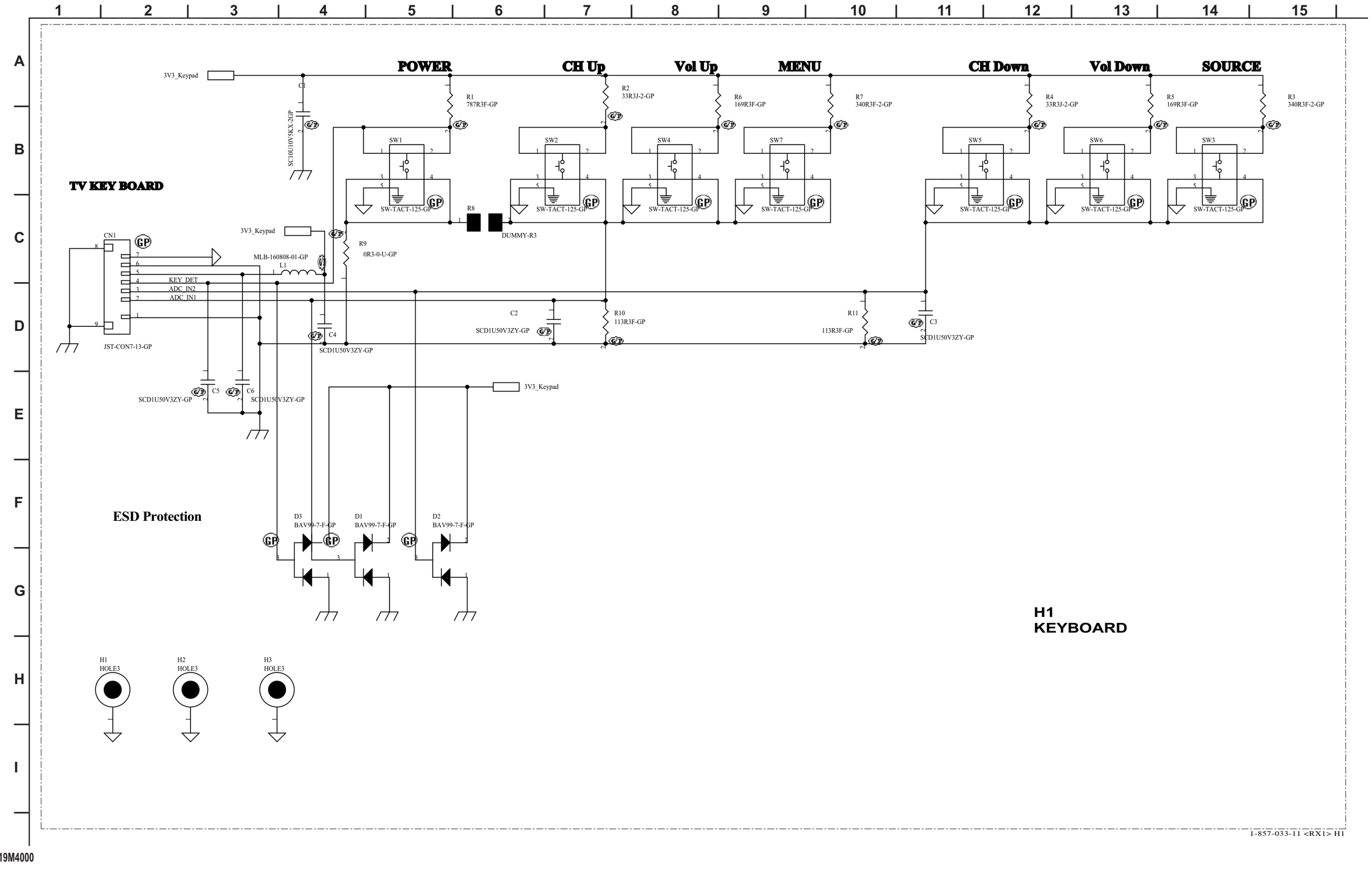
R250 2K2R3J-1-GP

2K2R3J-1-GP

A 15/15
MCU

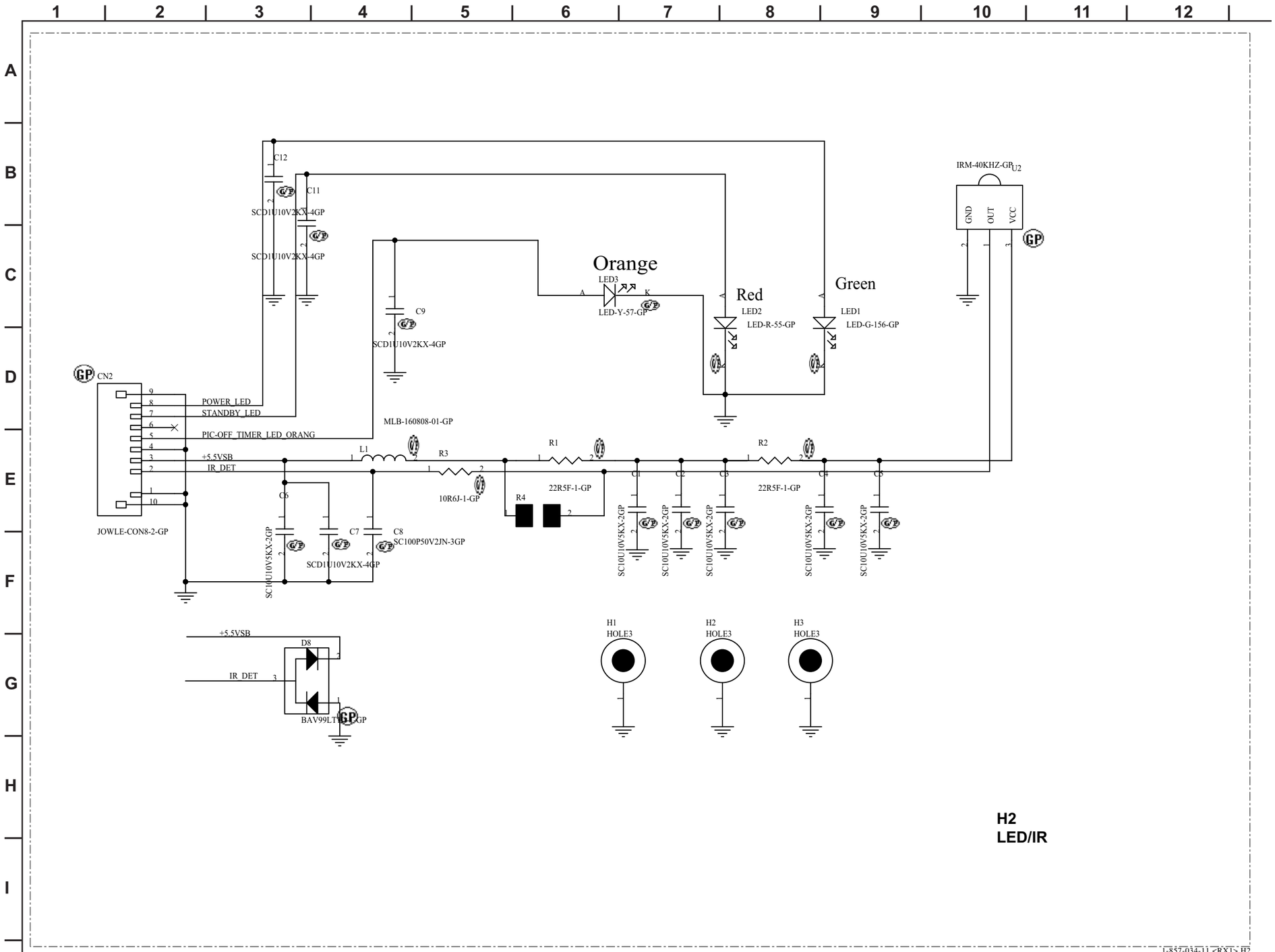
1-857-031-11 <RX1> A-P15

H1 BOARD SCHEMATIC DIAGRAM

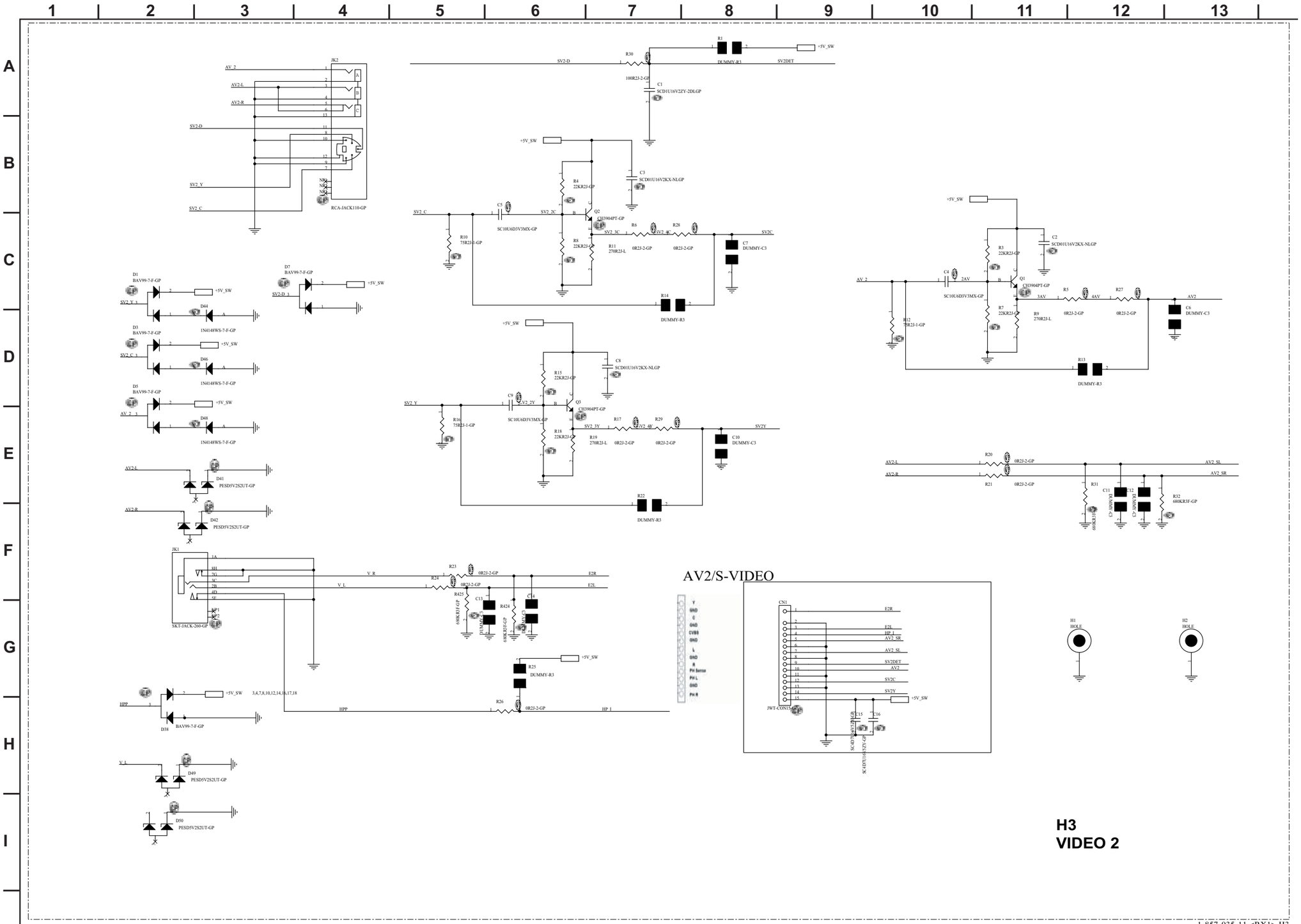


1-857-033-11 <RX1> H1

☛ H2 BOARD SCHEMATIC DIAGRAM



H3 BOARD SCHEMATIC DIAGRAM

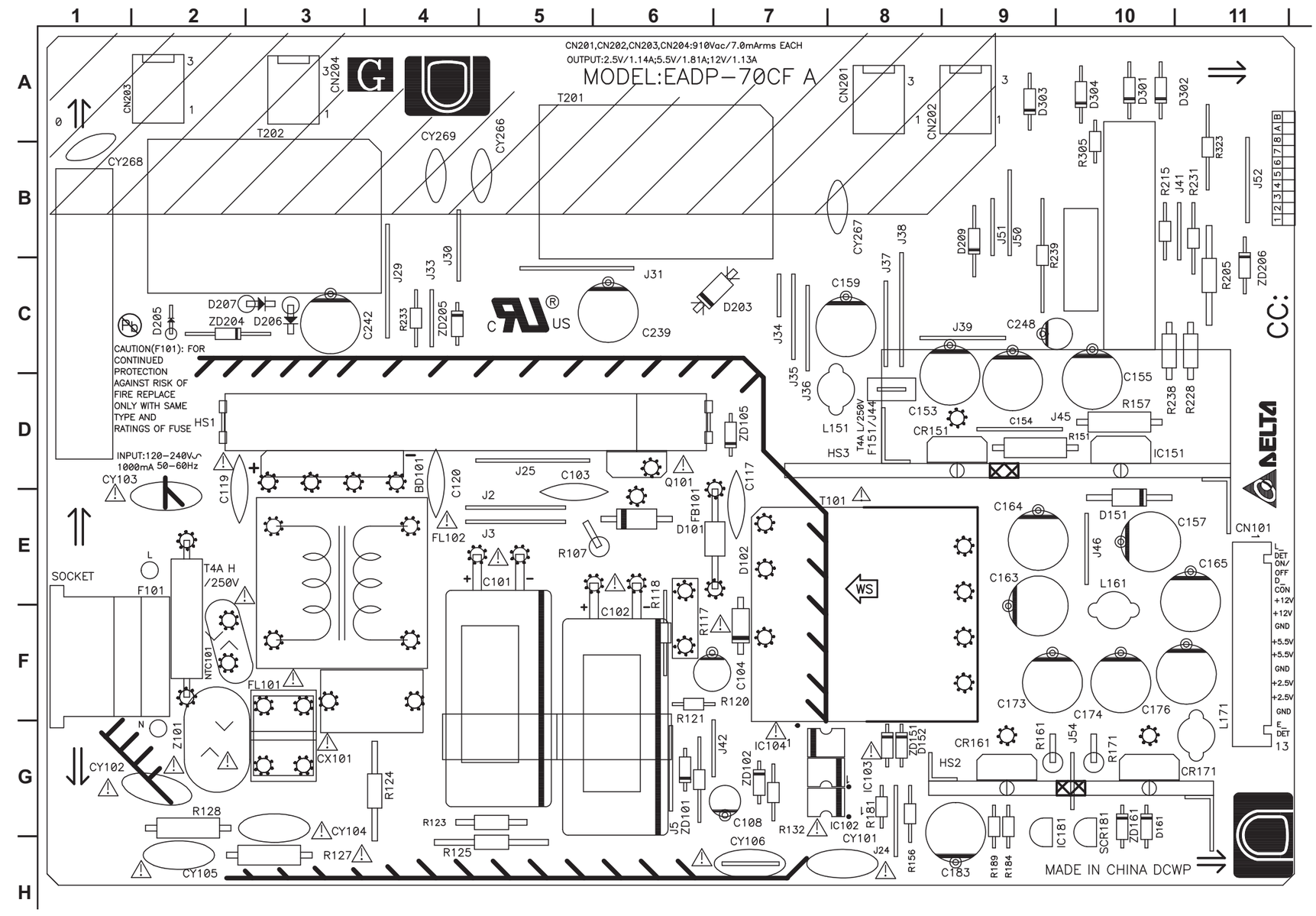


I-857-035-11 <RX1> H3

G BOARD SCHEMATIC DIAGRAM (THE SCHEMATIC FOR THIS BOARD IS NOT AVAILABLE)

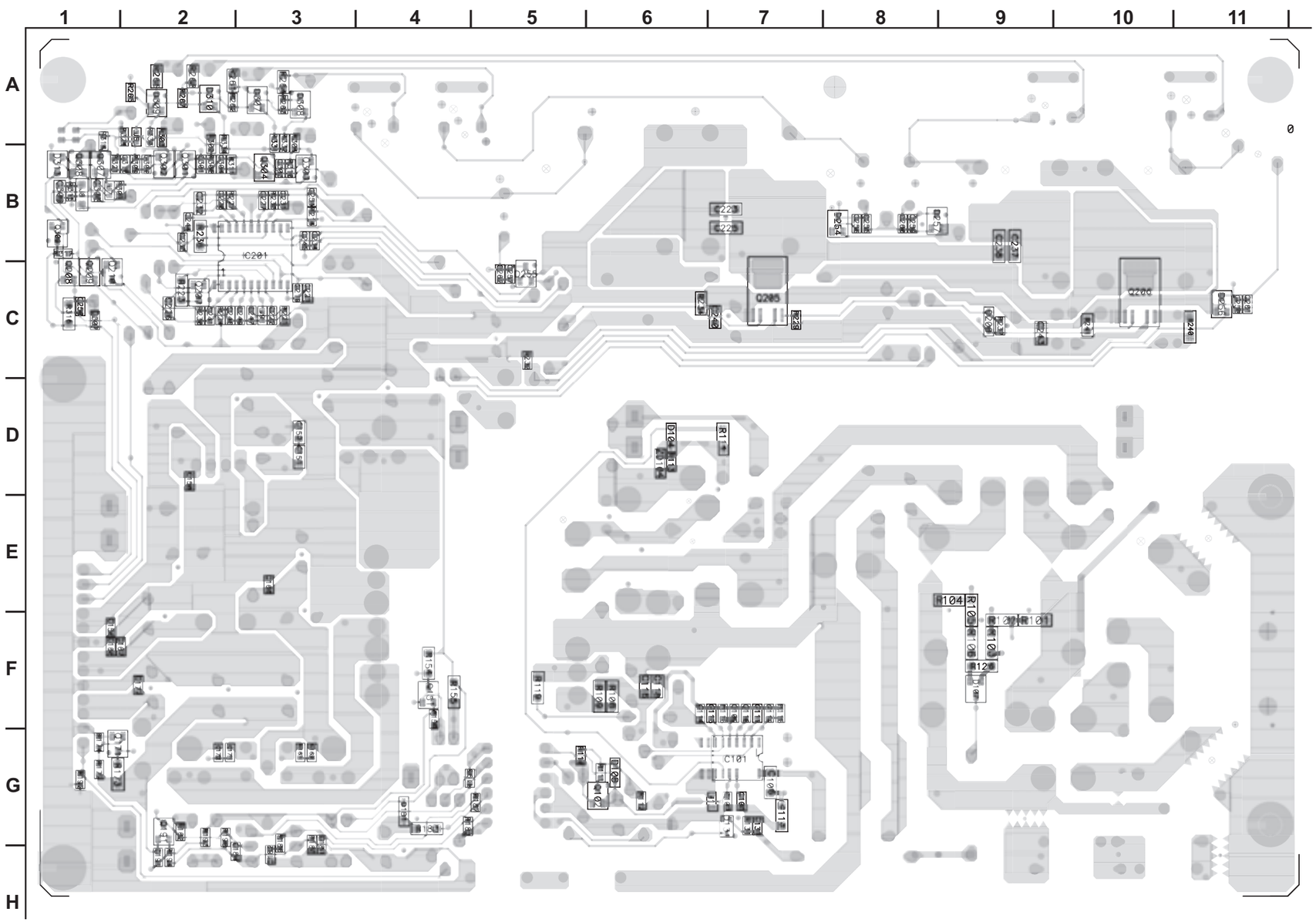
G [POWER SUPPLY]

COMPONENT SIDE



G [POWER SUPPLY]

CONDUCTOR SIDE



SECTION 4: EXPLODED VIEWS

Components not identified by a part number or description are not stocked because they are seldom required for routine service.

The component parts of an assembly are indicated by the reference numbers in the far right column of the parts list and within the dotted lines of the diagram.

* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

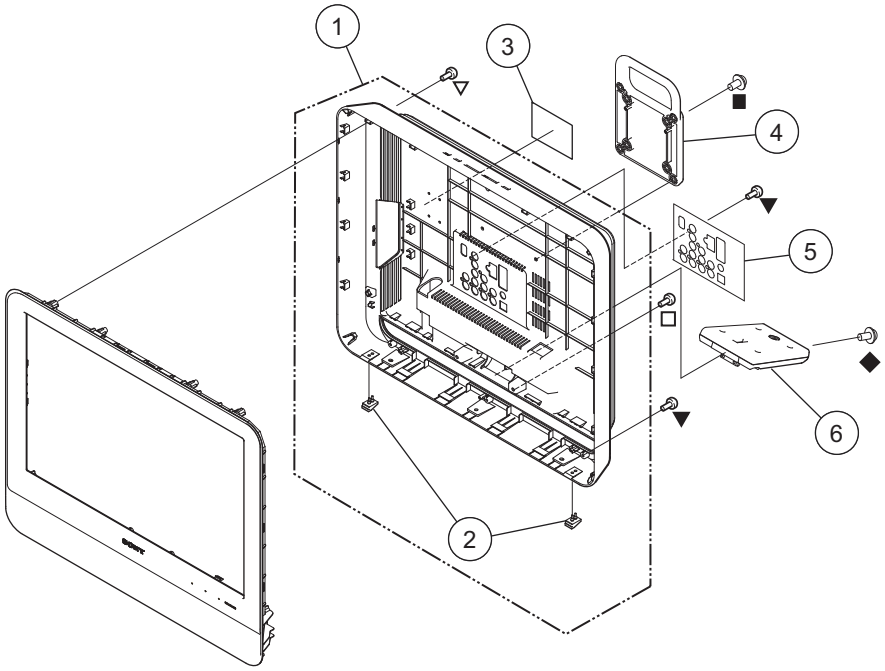
NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

NOTE: The components identified by a red outline and a 🔒 mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced.
See Appendix A: Encryption Key Components in the back of this manual.

4-1. REAR COVER ASSEMBLY AND STAND ASSEMBLY

(Check the Sony Electronics Service Information website for any additional service related issues for this model.)

■	2-580-601-01	SCREW +PSW M4X12
□	2-580-639-01	SCREW, +BVTP 4X12
▼	7-685-647-79	SCREW, +BVTP 3X10
▽	7-685-665-14	SCREW, +BVTP 4X25
◆	2-580-603-01	SCREW, +PSW M4X16



	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
	1	X-2189-738-1	COVER, REAR ASSY	[2]
	2	3-298-481-01	FOOT, RUBBER	
*	3	3-298-494-01	LABEL, MODEL NUMBER (US, CANADA ONLY)	
*	3	3-870-868-01	LABEL, MODEL NUMBER (MEXICO ONLY)	
	4	3-288-680-01	HANDLE(AB)	
	5	3-298-493-01	LABEL, TERMINAL	
	6	X-2189-739-1	STAND ASSY	

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

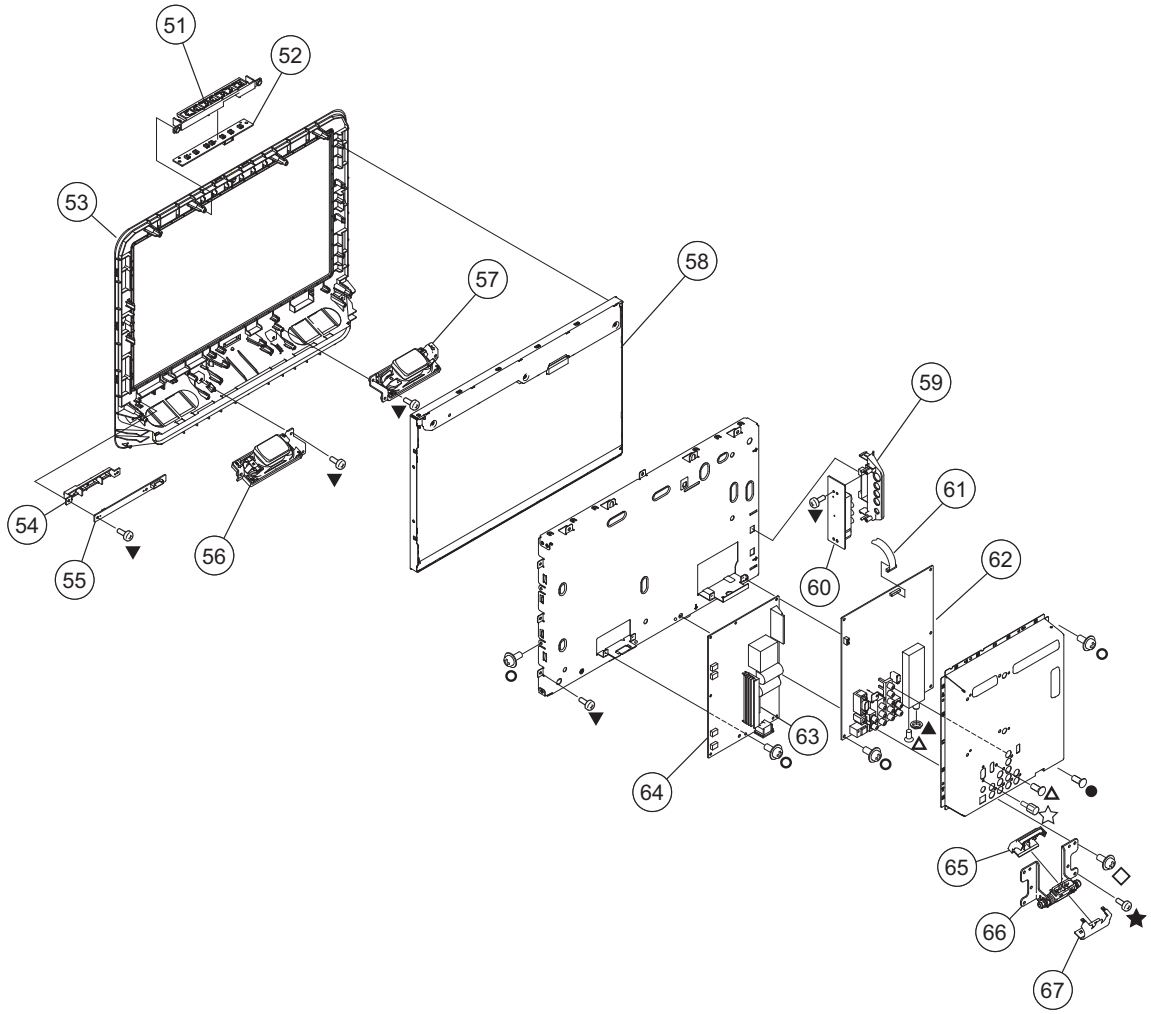
NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

NOTE: The components identified by a red outline and a 🔒 mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced.
See Appendix A: Encryption Key Components in the back of this manual.

4-2. CHASSIS

(Check the Sony Electronics Service Information website for any additional service related issues for this model.)

▼	7-685-647-79	SCREW, +BVTP 3X10	●	3-344-561-02	FH, 4X5
○	4-382-854-51	SCREW, M3X6	△	4-635-303-01	FH, 3X4
★	2-580-641-01	SCREW, +BVTP 4X21	▲	3-682-691-21	NUT(HEX)
☆	4-635-966-21	SCREW (HEX)	◇	2-580-603-01	SCREW, M4X16



REF. NO.	PART NO.	DESCRIPTION [ASSEMBLY INCLUDES]
51	3-298-488-01	TOUCH-KEY, FUNCTION
52	1-857-033-11	H1 BOARD, MOUNTED
☛ 53	X-2189-737-1	FRONT BEZEL ASSY (WHITE)
☛ 53	X-2190-522-1	FRONT BEZEL ASSY (BLACK)
☛ 53	X-2319-147-1	FRONT BEZEL ASSY D (ORANGE)
☛ 53	X-2319-149-1	FRONT BEZEL ASSY L (BLUE)
☛ 53	X-2319-148-1	FRONT BEZEL ASSY G (GREEN)
☛ 53	X-2319-150-1	FRONT BEZEL ASSY P (PINK)
54	3-298-477-01	INDICATOR, LED
☛ 55	1-857-034-11	H2 BOARD, MOUNTED
56	1-826-940-21	SPEAKER R (10X4CM)
57	1-826-940-11	SPEAKER L (10X4CM)
58	1-802-694-11	LCD PANEL (19INCH WXGA TFT)
59	3-298-487-01	COVER, SIDE BRACKET
☛ 60	1-857-035-11	H3 BOARD, MOUNTED
61	1-910-044-58	CONNECTOR ASSY LVDS 19
🔒 62	1-857-031-11	A BOARD, MOUNTED
63	1-523-010-11	FUSE, TIME-LAG (4A/250V)
64	1-857-032-11	G BOARD, MOUNTED
65	3-298-485-01	COVER, HINGE-TOP
66	3-298-484-01	HINGE
67	3-298-486-01	COVER, HINGE-BOTTOM

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

NOTE: The components identified by a red outline and a 🔒 mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced.
See Appendix A: Encryption Key Components in the back of this manual.

REF. NO.	PART NO.	DESCRIPTION	VALUES
		ACCESSORIES AND PACKING	
*	3-213-734-01	BAG PROTECTION	
*	3-298-491-01	CARTON, INDIVIDUAL	
*	3-870-867-01	CUSHION LOWER, 19ABS	
*	3-298-492-01	CUSHION UPPER, 19ABS	
	3-297-702-11	GUIDE, QUICK SETUP (ENGLISH)	
	3-297-702-21	GUIDE, QUICK SETUP (FRENCH)	
	3-297-702-31	GUIDE, QUICK SETUP (SPANISH)	
	3-297-704-11	MANUAL INSTRUCTION (WALL MO)	
	3-297-703-12	MANUAL, INSTRUCTION (ENGLISH)	
	3-297-703-22	MANUAL, INSTRUCTION (FRNECH)	
	3-297-703-32	MANUAL, INSTRUCTION (SPANISH)	
⚠	1-835-077-11	POWER-SUPPLY CORD SET	
		REMOTE COMMANDER	
	1-480-722-11	REMOTE COMMANDER (RM-YD025) (BLACK)	
	9-885-110-88	COVER BATTERY (for RM-YD025) (BLACK)	
	1-480-722-21	REMOTE COMMANDER (RM-YD025W) (WHITE)	
	9-885-117-91	COVER BATTERY (WHITE) (for RM-YD025W) (WHITE)	

REF. NO.	PART NO.	DESCRIPTION	VALUES

© 2008.3

APPENDIX A: ENCRYPTION KEY COMPONENTS

Encryption key components developed by Sony Corporation contain confidential information, and shall be handled under the non-disclosure obligations provided in the applicable agreement with Sony Corporation (and/or its subsidiary).

As part of this agreement specific instructions must be adhered to whenever a Circuit Board containing encryption key components is repaired and/or replaced pursuant to the following:

1) **In the service manual the Circuit Board(s) containing encryption key components shall be identified with a red outline and a .**

2) **Only repair boards or components listed in the service manual shall be utilized for replacement and/or repair.**

3) **Disassembly, decryption, or reverse-engineering component(s) is strictly prohibited.**

4) **Any board in which the Servicer replaces an encryption key component must be placed back into the set it orignally came from and the replaced defective component MUST BE DESTROYED. Boards cannot be swapped.**

5) **If a Circuit Board identified with a red outline and a in the service manual is deemed to be defective:**

   a) **and if a core charge is imposed and is covered under the product warranty, the defective un-repaired or modified board MUST BE RETURNED to Sony.**

   b) **and if the core charge is NOT covered under the product warranty, the defective un-repaired or modified board MUST BE DESTROYED.**

5) **If a unit is destroyed (such as field scrap), the Circuit Board identified with a red outline and a in the service manual MUST BE DESTROYED.**

SERVICE MANUAL

RX1 CHASSIS

In an effort to reduce the size of this pdf file the tiled schematics are not attached to this Service Manual. To receive a complete set of the tiled schematics for this manual please submit a request to the Service Promotion Department at Service_Promotion@am.sony.com.